

This document provides pertinent information concerning the reissuance of the VPDES Permit listed below. This permit is being processed as a Minor, Municipal permit. The discharge results from the operation of a 0.0062 MGD wastewater treatment plant. This permit action consists of updating the proposed effluent limits to reflect the current Virginia WQS (effective 6 January 2011) and updating permit language as appropriate. The effluent limitations and special conditions contained within this permit will maintain the Water Quality Standards of 9VAC25-260 et seq.

1. Facility Name and Mailing Address: One Stop Trailer Park
14425 James Monroe Highway
Leesburg, VA 20175
SIC Code: 4952 WWTP
Facility Location: 14425 James Monroe Highway
Leesburg, VA 20175
County: Loudoun
Facility Contact Name: Gurcharan S. Lail
Telephone Number: 703-777-2446
2. Permit No.: VA0074934
Expiration Date: 3 January 2013
Other VPDES Permits: Not Applicable
Other Permits: Registration No. 107S0108 – Stage II (Gasoline Dispenser Facility)
Registration ID 3002826 – Underground Storage Tanks (USTs)
PWSID 6107420 – Public Water
E2/E3/E4 Status: Not Applicable
3. Owner Name: Gurcharan S. Lail
Owner Contact/Title: Gurcharan S. Lail / Owner
Telephone Number: 703-777-2446
4. Application Complete Date: 13 July 2012
Permit Drafted By: Douglas Frasier
Date Drafted: 3 October 2012
Draft Permit Reviewed By: Alison Thompson
Date Reviewed: 19 October 2012
WPM Review By: Bryant Thomas
Date Reviewed: 2 November 2012
Public Comment Period: Start Date: 29 November 2012
End Date: 28 December 2012
5. Receiving Waters Information: See **Attachment 1** for the Flow Frequency Determination (updated with this reissuance).
Receiving Stream Name: Clarks Run
Stream Code: 1aCLK
Drainage Area at Outfall: 1.7 square miles
River Mile: 4.86
Stream Basin: Potomac River
Subbasin: Potomac River
Section: 10
Stream Class: III
Special Standards: None
Waterbody ID: VAN-A03R
7Q10 Low Flow: 0.0077 MGD
7Q10 High Flow: 0.0858 MGD
1Q10 Low Flow: 0.0064 MGD
1Q10 High Flow: 0.0601 MGD
30Q10 Low Flow: 0.0184 MGD
30Q10 High Flow: 0.1471 MGD
Harmonic Mean Flow: 0.1349 MGD
30Q5 Flow: 0.0343 MGD
6. Statutory or Regulatory Basis for Special Conditions and Effluent Limitations:

<input checked="" type="checkbox"/> State Water Control Law	<input type="checkbox"/> EPA Guidelines
<input checked="" type="checkbox"/> Clean Water Act	<input checked="" type="checkbox"/> Water Quality Standards
<input checked="" type="checkbox"/> VPDES Permit Regulation	<input type="checkbox"/> Other
<input checked="" type="checkbox"/> EPA NPDES Regulation	
7. Licensed Operator Requirements: Class IV
8. Reliability Class: Class II

9. Permit Characterization:

<input checked="" type="checkbox"/> Private	<input checked="" type="checkbox"/> Effluent Limited	<input type="checkbox"/> Possible Interstate Effect
<input type="checkbox"/> Federal	<input checked="" type="checkbox"/> Water Quality Limited	<input type="checkbox"/> Compliance Schedule Required
<input type="checkbox"/> State	<input type="checkbox"/> Toxics Monitoring Program Required	<input type="checkbox"/> Interim Limits in Permit
<input type="checkbox"/> POTW	<input type="checkbox"/> Pretreatment Program Required	<input type="checkbox"/> Interim Limits in Other Document
<input type="checkbox"/> TMDL		

10. Wastewater Sources and Treatment Description:

The wastewater source consists of domestic sewage from a mobile home park with a population of 54 residents and a gas station/convenience store. The wastewater treatment plant is an extended aeration activated sludge package plant consisting of two trains. The raw wastewater flows through manual bar screens, an aeration tank and then two sequential settling tanks. The secondary effluent then is chlorinated before exiting the tank. The chlorinated effluent from both trains combine and flow to a tablet dechlorinator followed by post aeration before exiting the plant via an underground effluent pipe. Flow is based on the flow meter at the well house serving the premises.

Final effluent flows through an underground pipe and discharges to Clarks Run, several hundred yards north of the plant. See **Attachment 2** for a facility schematic/diagram.

TABLE 1
OUTFALL DESCRIPTION

Number	Discharge Sources	Treatment	Design Flow	Latitude / Longitude
001	Domestic Wastewater	See Section 10 above	0.0062 MGD	39° 13' 19" / 77° 31' 59"
See Attachment 3 for the Waterford topographic map.				

11. Sludge Treatment and Disposal Methods:

There is no further treatment of the sludge generated at this facility. Wasted sludge is held in an aerated holding tank and hauled by a licensed contractor; currently Sterling Septic and Sewer, Inc. Sludge is transported to the Broad Run Water Reclamation Facility (VA0091383) for further treatment and final disposal. This facility generates approximately 1.0 dry metric ton per year.

12. Discharges Located Within Waterbody VAN-A03R:

TABLE 2
DISCHARGES WITHIN VAN-A03R

ID / Permit Number	Facility Name	Type	Receiving Stream
VA0061280	VICA	Municipal Discharge	Clarks Run
VA0074942	Hiway Mobile Home Community LLC		Limestone Branch, UT
VA0067938	North Spring Behavioral Healthcare WWTP		
VA0090573	Beacon Hill Water Treatment Plant	Industrial Discharge	
VA0021750	Lucketts Elementary School	Municipal Discharge	Limestone Branch
VA0088196	Raspberry Falls Water Reclamation Facility		

13. Material Storage:

TABLE 3 MATERIAL STORAGE		
Materials Description	Volume Stored	Spill/Stormwater Prevention Measures
Calcium Hypochlorite Tablets	One 45-pound container	Stored inside shed, under roof
Sodium Sulfite Tablets	One 45-pound container	

14. Site Inspection: Performed by DEQ-NRO Compliance Staff on 16 September 2011 (see **Attachment 4**).

15. Receiving Stream Water Quality and Water Quality Standards:

a. Ambient Water Quality Data

This facility discharges into Clarks Run. The nearest DEQ monitoring station is 1aCLK002.40, located at the Route 658 bridge crossing, approximately 2.2 miles downstream of Outfall 001. The following is the water quality summary for this segment of Clarks Run, as taken from the Draft 2012 Integrated Report*:

Class III, Section 10.

DEQ ambient water quality monitoring station 1aCLK002.40, at Route 658.
Citizen monitoring event 1aCLK-CLRK01-SOS.

E. coli monitoring finds a bacterial impairment, resulting in an impaired classification for the recreation use.

Biological monitoring finds benthic macroinvertebrate impairments, resulting in an impaired classification for the aquatic life use.

The wildlife use is considered fully supporting. The fish consumption use was not assessed.

*The Draft 2012 Integrated Report (IR) has been through the public comment period and reviewed by EPA. The 2012 IR is currently being finalized and prepared for release.

b. 303(d) Listed Stream Segments and Total Maximum Daily Loads (TMDLs)

TABLE 4 IMPAIRMENTS/TMDL INFORMATION						
Waterbody Name	Impaired Use	Cause	TMDL completed	WLA	Basis for WLA	TMDL Schedule
<i>Impairment Information in the Draft 2012 Integrated Report*</i>						
Clarks Run	Recreation	<i>E. coli</i>	No	NA	NA	2020
	Aquatic Life	Benthic Macroinvertebrates	No	NA	NA	2024

*The Draft 2012 Integrated Report (IR) has been through the public comment period and reviewed by EPA. The 2012 IR is currently being finalized and prepared for release.

The full planning statement is found in **Attachment 5**.

c. Receiving Stream Water Quality Criteria

Part IX of 9VAC25-260(360-550) designates classes and special standards applicable to defined Virginia river basins and sections. The receiving stream, Clarks Run, is located within Section 10 of the Potomac River Basin and classified as Class III water.

At all times, Class III waters must achieve a dissolved oxygen (D.O.) of 4.0 mg/L or greater, a daily average D.O. of 5.0 mg/L or greater, a temperature that does not exceed 32° C and maintain a pH of 6.0 – 9.0 standard units (S.U.).

Attachment 6 details other water quality criteria applicable to the receiving stream.

Ammonia:

The fresh water, aquatic life Water Quality Criteria (WQC) for ammonia is dependent on the effluent and/or instream temperature and pH values. The 90th percentile temperature and pH values are used because they best represent the critical conditions of the receiving stream. Ambient water quality data for the waterbody VAN-A03R was available and it is staff's best professional judgement that this data is representative of this receiving stream and may be utilized to characterize the stream conditions. Available effluent pH data was obtained from the February 2008 – July 2012 Discharge Monitoring Reports (Section 17.a.) while actual maximum temperature data submitted with the permit application was applied in determining the WQC.

It should be noted that only the maximum reported values for pH and temperature were utilized to calculate the water quality criteria. It is staff's best professional judgement that this best represents the critical conditions that could occur and provides a conservative approach to ensure the receiving stream is protected at all times.

The ammonia water quality standards calculations are shown in **Attachment 6**.

Metals Criteria:

The Water Quality Criteria for some metals are dependent on the receiving stream and/or effluent hardness values (expressed as mg/L calcium carbonate). There is no hardness data for this facility; therefore, staff guidance suggests using a default hardness value of 50 mg/L CaCO₃. The hardness data for waterbody VAN-A03R was determined to be 108 mg/L CaCO₃, according to DEQ monitoring data. It is staff's best professional judgement that this value adequately describes the conditions of the receiving stream.

The hardness-dependent metals criteria shown in **Attachment 6** are based on these values.

Bacteria Criteria:

The Virginia Water Quality Standards at 9VAC25-260-170.A state that the following criteria shall apply to protect primary recreational uses in surface waters:

E. coli bacteria per 100 mL of water shall not exceed a monthly geometric mean of the following:

	Geometric Mean ¹
Freshwater <i>E. coli</i> (N/100 mL)	126

¹For a minimum of four weekly samples taken during any calendar month

d. Receiving Stream Special Standards

The State Water Control Board's Water Quality Standards, River Basin Section Tables (9VAC25-260-360, 370 and 380) designates the river basins, sections, classes and special standards for surface waters of the Commonwealth of Virginia. The receiving stream, Clarks Run, is located within Section 10 of the Potomac River Basin. This section has not been designated with a special standard.

e. Threatened or Endangered Species

The Virginia DGIF Fish and Wildlife Information System Database was searched on 16 July 2012 for records to determine if there are threatened or endangered species in the vicinity of the discharge.

The following threatened and endangered species were identified within a 2 mile radius of the discharge: Wood Turtle; Upland Sandpiper (song bird); Loggerhead Shrike (song bird); Henslow's Sparrow; Bald Eagle; Green Floater (mussel); Migrant Loggerhead Shrike (song bird). The limits proposed in this draft permit are protective of the Virginia Water Quality Standards and protect the threatened and endangered species found near the discharge.

16. Antidegradation (9VAC25-260-30):

All state surface waters are provided one of three levels of antidegradation protection. For Tier 1 or existing use protection, existing uses of the water body and the water quality to protect these uses must be maintained. Tier 2 water bodies have water quality that is better than the water quality standards. Significant lowering of the water quality of Tier 2 waters is not allowed without an evaluation of the economic and social impacts. Tier 3 water bodies are exceptional waters and are so designated by regulatory amendment. The antidegradation policy prohibits new or expanded discharges into exceptional waters.

The receiving stream has been noted for Aquatic Life Use impairments. It is staff's best professional judgment that such streams are considered Tier 1 water bodies. Permit limits proposed have been established by determining wasteload allocations which will result in attaining and/or maintaining all water quality criteria which apply to the receiving stream, including narrative criteria. These wasteload allocations will provide for the protection and maintenance of all existing uses.

17. Effluent Screening, Wasteload Allocation and Effluent Limitation Development:

To determine water quality-based effluent limitations for a discharge, the suitability of data must first be determined. Data is suitable for analysis if one or more representative data points are equal to or above the quantification level ("QL") and the data represent the exact pollutant being evaluated.

Next, the appropriate Water Quality Standards are determined for the pollutants in the effluent. Then, the Wasteload Allocations (WLAs) are calculated. The WLA values are then compared with available effluent data to determine the need for effluent limitations. Effluent limitations are needed if the 97th percentile of the daily effluent concentration values is greater than the acute wasteload allocation or if the 97th percentile of the four-day average effluent concentration values is greater than the chronic wasteload allocation. Effluent limitations are the calculated on the most limiting WLA, the required sampling frequency and statistical characteristics of the effluent data.

a. Effluent Screening

Effluent data obtained from permit application and February 2008 – July 2012 Discharge Monitoring Reports (DMRs) have been reviewed and determined to be suitable for evaluation. Please see **Attachment 7** for a summary of effluent data.

b. Mixing Zones and Wasteload Allocations (WLAs)

Wasteload allocations (WLAs) are calculated for those parameters in the effluent with the reasonable potential to cause an exceedance of water quality criteria. The basic calculation for establishing a WLA is the steady state complete mix equation:

$$WLA = \frac{C_o [Q_e + (f)(Q_s)] - [(C_s)(f)(Q_s)]}{Q_e}$$

Where:

WLA	=	Wasteload allocation
C _o	=	In-stream water quality criteria
Q _e	=	Design flow
Q _s	=	Critical receiving stream flow (1Q10 for acute aquatic life criteria; 7Q10 for chronic aquatic life criteria; harmonic mean for carcinogen-human health criteria; 30Q10 for ammonia criteria; and 30Q5 for non-carcinogen human health criteria)
f	=	Decimal fraction of critical flow
C _s	=	Mean background concentration of parameter in the receiving stream.

The Water Quality Standards contain two distinct mixing zone requirements. The first requirement is general in nature and requires the "use of mixing zone concepts in evaluating permit limits for acute and chronic standards in 9VAC25-260-140.B". The second requirement is specific and establishes special restrictions for regulatory mixing zones "established by the Board".

The Department of Environmental Quality utilizes a simplified mixing model to estimate the amount of mixing of a discharge with the receiving stream within specified acute and chronic exposure periods.

The simplified model contains the following assumptions and approximations:

- The effluent enters the stream from the bank, either via a pipe, channel or ditch.
- The effluent velocity isn't significantly greater (no more than 1 - 2 ft/sec greater) than the stream velocity.
- The receiving stream is much wider than its depth (width at least ten times the depth).
- Diffusive mixing in the longitudinal direction (lengthwise) is insignificant compared with advective transport (flow).
- Complete vertical mixing occurs instantaneously at the discharge point. This is assumed since the stream depth is much smaller than the stream width.
- Lateral mixing (across the width) is a linear function of distance downstream.
- The effluent is neutrally buoyant (e.g. the effluent discharge temperature and salinity are not significantly different from the stream's ambient temperature and salinity).
- Complete mix is determined as the point downstream where the variation in concentration is 20% or less across the width and depth of the stream.
- The velocity of passing and drifting organisms is assumed equal to the stream velocity.

If it is suitably demonstrated that a reasonable potential for lethality or chronic impacts within the physical mixing area doesn't exist, then the basic complete mix equation, with 100% of the applicable stream flow, is appropriate. If the mixing analysis determines there is a potential for lethality or chronic impacts within the physical mixing area, then the proportion of stream flow that has mixed with the effluent over the allowed exposure time is used in the basic complete mix equation. As such, the wasteload allocation equation is modified to account for the decimal fraction of critical flow (f).

Staff derived wasteload allocations where parameters are reasonably expected to be present in an effluent and where effluent data indicate the pollutant is present in the discharge above quantifiable levels. With regard to the Outfall 001 discharge, ammonia as N and total residual chlorine are likely present since this is a WWTP treating sewage and chlorine is used for disinfection, respectively. As such, **Attachment 8** details the mixing analysis and **Attachment 6** details the WLA derivations for these pollutants.

c. Effluent Limitations and Monitoring, Outfall 001 – Toxic Pollutants

9VAC25-31-220.D. requires limits be imposed where a discharge has a reasonable potential to cause or contribute to an in-stream excursion of water quality criteria. Those parameters with WLAs that are near effluent concentrations are evaluated for limits.

The VPDES Permit Regulation at 9VAC25-31-230.D. requires that monthly and weekly average limitations be imposed for continuous discharges from POTWs and monthly average and daily maximum limitations be imposed for all other continuous non-POTW discharges.

1). Ammonia as N:

Staff utilized available and default pH and temperature values to determine ammonia water quality criteria, wasteload allocations (WLAs) and subsequent ammonia limits (**Attachment 9**). DEQ guidance suggests using a sole data point of 9.0 mg/L for discharges containing domestic sewage to ensure the evaluation adequately addresses the potential for ammonia to be present.

The above calculated ammonia limits are less stringent than those found in the previous permit. VPDES Permit regulations, 9VAC25-31-220.L.2.b.(1) and (2) does allow for relaxation of permit limitations during a permit reissuance if new information becomes available and technical mistakes were made during the previous issuance, respectively. As stated earlier, the stream flow determinations were updated for this reissuance process and review of the previous WLA calculations and subsequent limitation derivation were found to be technically incorrect.

During the last reissuance, the available effluent data was inadvertently omitted during the WLA calculations; thus, not allowing the program to take into account mixing of the ambient water and effluent.

It is staff's best professional judgement that the proposed monthly and weekly average limitations of 8.9 mg/L for the months June – November be imposed.

Limitations for the months of December – May are still not warranted for this discharge.

2). Total Residual Chlorine:

Chlorine is used for disinfection and is potentially in the discharge. Staff calculated WLAs for TRC using the updated critical flows and the mixing allowance. In accordance with current DEQ guidance, staff used a default data point of 0.2 mg/L and the calculated WLAs to derive limits. Again, the limitations calculated are less stringent than those found in the previous permit; however, review of the previous derivations indicates that the limits are technically incorrect since the WLA calculations for chlorine did not include effluent data. It is staff's best professional judgement that a monthly average of 0.018 mg/L and a weekly average limit of 0.022 mg/L be proposed for this discharge (see **Attachment 10**).

3). Metals:

Given the wastewater sources, it is staff's best professional judgement that limits are not warranted.

d. Effluent Limitations and Monitoring, Outfall 001 – Conventional and Non-Conventional Pollutants

No changes to dissolved oxygen (D.O.), biochemical oxygen demand-5 day (BOD₅), total suspended solids (TSS) and pH limitations are proposed.

Dissolved oxygen and BOD₅ limitations are based on the mathematically derived stream model completed in June 1987 (**Attachment 11**) and are set to meet the water quality criteria for D.O. in the receiving stream. Even though the critical 7Q10 flows were updated during this reissuance, it is staff's best professional judgement that the limitations derived from the model are still protective of water quality criteria for D.O.

It is staff's practice to equate the total suspended solids limits with the BOD₅ limits since the two pollutants are closely related in terms of treatment of domestic sewage.

Oil & Grease was included during the last reissuance due to noted grease entering the plant during a compliance/permitting inspection. It is staff's best professional judgement that the limitation be carried forward with this reissuance due to the wastewater sources noted in Section 10.

pH limitations are set at the water quality criteria.

E. coli limitations were included during the last reissuance to ensure adequate chlorine disinfection. Staff's review of effluent bacteria data noted a few exceedances during the last permit term. It is staff's best professional judgement that *E. coli* monitoring continue on a quarterly basis; however, staff proposes that four (4) samples during one month within each quarter be imposed to allow sufficient data to calculate a monthly geometric mean. The permittee, after two consecutive calendar years of data with no excursions, may request that the quarterly monitoring frequency be reduced to semi-annual.

e. Effluent Limitations and Monitoring Summary

The effluent limitations are presented in the following table. Limits were established for BOD₅, total suspended solids, ammonia as N, pH, dissolved oxygen, oil & grease, *E. coli* and total residual chlorine.

The limit for total suspended solids is based on Best Professional Judgement.

The mass loading (kg/d) for BOD₅ and TSS monthly and weekly averages were calculated by multiplying the concentration values (mg/L), with the flow values (in MGD) and then by a conversion factor of 3.785.

Sample Type and Frequency are in accordance with the recommendations in the VPDES Permit Manual.

The VPDES Permit Regulation at 9VAC25-31-30 and 40 CFR Part 133 require that the facility achieve at least 85% removal for BOD and TSS (or 65% for equivalent to secondary). The previous permit term required influent BOD and TSS monitoring on an annual basis to demonstrate 85% removal. Based on the submitted data, this facility achieves > 85% removal.

18. Antibacksliding:

The backsliding proposed with this reissuance conforms to the anti-backsliding provisions of Section 402(o) of the Clean Water Act, 9VAC25-31-220.L. and 40 CFR 122.44. As stated earlier, VPDES Permit regulations, 9VAC25-31-220.L.2.b.(1) and (2) does allow for relaxation of permit limitations during a permit reissuance if new information becomes available and technical mistakes were made during the previous issuance, respectively. The stream flow data was updated utilizing 2006 flow monitoring data and technical mistakes were discovered upon review of the previous reissuance file (Section 17.c.).

19. Effluent Limitations/Monitoring Requirements:

Design flow is 0.0062 MGD.

Effective Dates: During the period beginning with the permit's effective date and lasting until the expiration date.

PARAMETER	BASIS FOR LIMITS	DISCHARGE LIMITATIONS					MONITORING REQUIREMENTS	
		Monthly Average		Weekly Average		Minimum	Maximum	Frequency Sample Type
Flow (MGD)	NA	NL		NA		NA	NL	1/D Estimate
pH	3	NA		NA		6.0 S.U.	9.0 S.U.	1/D Grab
BOD ₅	3,5	30 mg/L	0.70 kg/day	45 mg/L	1.1 kg/day	NA	NA	1/M Grab
Total Suspended Solids (TSS)	2	30 mg/L	0.70 kg/day	45 mg/L	1.1 kg/day	NA	NA	1/M Grab
Dissolved Oxygen (DO)	3,5	NA		NA		5.0 mg/L	NA	1/D Grab
Ammonia, as N (June – November)	2,3	8.9 mg/L		8.9 mg/L		NA	NA	1/M Grab
Oil & Grease	2	NA		NA		NA	15 mg/L	1/M Grab
<i>E. coli</i> (Geometric Mean) ^{(a) (b)}	2,3	126 n/100mL		NA		NA	NA	1/3M Grab
Total Residual Chlorine (after contact tank)	2,4	NA		NA		1.0 mg/L	NA	1/D Grab
Total Residual Chlorine (after dechlorination)	3	0.018 mg/L		0.022 mg/L		NA	NA	1/D Grab

The basis for the limitations codes are:

- | | | |
|----------------------------------|------------------------------------|-------------------------------------|
| 1. Federal Effluent Requirements | MGD = Million gallons per day. | 1/D = Once every day. |
| 2. Best Professional Judgement | NA = Not applicable. | 1/M = Once every month. |
| 3. Water Quality Standards | NL = No limit; monitor and report. | 1/3M = Once every calendar quarter. |
| 4. DEQ Disinfection Guidance | S.U. = Standard units. | |
| 5. Stream Model – Attachment 11 | | |

Estimate = Reported flow is to be based on the technical evaluation of the sources contributing to the discharge.

Grab = An individual sample collected over a period of time not to exceed 15-minutes.

^(a) Samples shall be collected between the hours of 10 A.M. and 4 P.M.

^(b) The permittee shall collect four (4) samples during one month within each quarterly monitoring period as defined below. The results shall be reported as the geometric mean.

The quarterly monitoring periods shall be January through March, April through June, July through September and October through December. The DMR shall be submitted no later than the 10th day of the month following the monitoring period.

The permittee may submit a written request to DEQ-NRO for a reduction in the sampling frequency to once every six (6) months after two consecutive calendar years of monitoring with no excursions of 126 n/100mL, reported as the geometric mean.

Upon approval, the permittee shall collect four (4) samples during one month within each semi-annual monitoring period as defined below. The results shall be reported as the geometric mean.

The semi-annual monitoring periods shall be January – June and July – December.

The DMR shall be submitted no later than the 10th day of the month following the monitoring period.

Should any of the semi-annual monitoring results for *E. coli* exceed 126 n/100mL, reported as the geometric mean, the monitoring frequency shall revert to four (4) samples during one month within each quarterly monitoring period as defined above for the remainder of the permit term.

20. Other Permit Requirements:

Part I.B. of the permit contains additional chlorine monitoring requirements, quantification levels and compliance reporting instructions.

These additional chlorine requirements are necessary per the Sewage Collection and Treatment Regulations at 9VAC25-70 and by the Water Quality Standards at 9VAC25-260-170. Minimum chlorine residual must be maintained at the exit of the chlorine contact tank to assure adequate disinfection. No more than 10% of the monthly test results for TRC at the exit of the chlorine contact tank shall be < 1.0 mg/L with any TRC < 0.6 mg/L considered a system failure. *E. coli* limits are defined in this section as well as monitoring requirements to take effect should an alternate means of disinfection be used.

9VAC25-31-190.L.4.c. requires an arithmetic mean for measurement averaging and 9VAC25-31-220.D. requires limits be imposed where a discharge has a reasonable potential to cause or contribute to an in-stream excursion of water quality criteria. Specific analytical methodologies for toxics are listed in this permit section as well as quantification levels (QLs) necessary to demonstrate compliance with applicable permit limitations or for use in future evaluations to determine if the pollutant has reasonable potential to cause or contribute to a violation. Required averaging methodologies are also specified.

21. Other Special Conditions:

- a. 95% Capacity Reopener. The VPDES Permit Regulation at 9VAC25-31-200.B.4 requires all POTWs and PVOTWs develop and submit a plan of action to DEQ when the monthly average influent flow to their sewage treatment plant reaches 95% or more of the design capacity authorized in the permit for each month of any three consecutive month period. The facility is a PVOTW.
- b. Indirect Dischargers. Required by VPDES Permit Regulation, 9VAC25-31-200.B.1 and B.2 for POTWs and PVOTWs that receive waste from someone other than the owner of the treatment works.
- c. O&M Manual Requirement. Required by Code of Virginia §62.1-44.19; Sewage Collection and Treatment Regulations, 9VAC25-790; VPDES Permit Regulation, 9VAC25-31-190.E. The permittee shall maintain a current Operations and Maintenance (O&M) Manual. The permittee shall operate the treatment works in accordance with the O&M Manual and shall make the O&M Manual available to Department personnel for review upon request. Any changes in the practices and procedures followed by the permittee shall be documented in the O&M Manual within 90 days of the effective date of the changes. Non-compliance with the O&M Manual shall be deemed a violation of the permit.
- d. CTC, CTO Requirement. The Code of Virginia § 62.1-44.19; Sewage Collection and Treatment Regulations, 9VAC25-790 requires that all treatment works treating wastewater obtain a Certificate to Construct prior to commencing construction and to obtain a Certificate to Operate prior to commencing operation of the treatment works.
- e. Financial Assurance. Required by Code of Virginia §62.1-44.18:3 and the Board's Financial Assurance Regulation, 9VAC25-650-1, et seq. which requires owners and operators of PVOTWs with a design flow > 0.005 MGD but < 0.040 MGD and treating sewage from private residences to submit a closure plan and maintain adequate financial assurance in the event the facility ceases operations. The permitted facility is a PVOTW with a design flow of 0.0062 MGD and treats sewage generated from private residences.
- f. Licensed Operator Requirement. The Code of Virginia at §54.1-2300 et seq. and the VPDES Permit Regulation at 9VAC25-31-200.C, and Rules and Regulations for Waterworks and Wastewater Works Operators (18VAC160-20-10 et seq.) requires licensure of operators. This facility requires a Class IV operator.
- g. Reliability Class. The Sewage Collection and Treatment Regulations at 9VAC25-790 require sewage treatment works to achieve a certain level of reliability in order to protect water quality and public health consequences in the event of component or system failure. Reliability means a measure of the ability of the treatment works to perform its designated function without failure or interruption of service. The facility is required to meet Reliability Class of II.
- h. Sludge Reopener. The VPDES Permit Regulation at 9VAC25-31-220.C. requires all permits issued to treatment works treating domestic sewage (including sludge-only facilities) include a reopener clause allowing incorporation of any applicable standard for sewage sludge use or disposal promulgated under Section 405(d) of the CWA. The facility includes a sewage treatment works.
- i. Sludge Use and Disposal. The VPDES Permit Regulation at 9VAC25-31-100.P; 220.B.2., and 420 through 720 and 40 CFR Part 503 require all treatment works treating domestic sewage to submit information on their sludge use and disposal practices and to meet specified standards for sludge use and disposal. The facility includes a treatment works treating domestic sewage.
- j. Treatment Works Closure Plan. The State Water Control Law §62.1-44.15:1.1, makes it illegal for an owner to cease operation and fail to implement a closure plan when failure to implement the plan would result in harm to human health or the environment. This condition is used to notify the owner of the need for a closure plan where a facility is being replaced or is expected to close.

- k. TMDL Reopener. This special condition is to allow the permit to be reopened if necessary to bring it into compliance with any applicable TMDL that may be developed and approved for the receiving stream.
22. Permit Section Part II. Part II of the permit contains standard conditions that appear in all VPDES Permits. In general, these standard conditions address the responsibilities of the permittee, reporting requirements, testing procedures and records retention.
23. **Changes to the Permit from the Previously Issued Permit:**
- a. Special Conditions: None.
- b. Monitoring and Effluent Limitations:
- The ammonia limitations were changed from 6.9 mg/L to 8.9 mg/L due to updated stream flow data and discovered technical errors in the previous permit issuance.
 - The chlorine limitations were changed from 0.014 mg/L monthly average and 0.017 mg/L weekly average to 0.018 mg/L and 0.022 mg/L, respectively. This change is based on updated calculated stream flow data and technical errors found during the review of the previous reissuance.
 - The *E. coli* monitoring frequency was changed from one sample each calendar quarter to four samples during one month within each calendar quarter for two years with a reduction option to once every six months after two consecutive years without any excursions.
 - The influent BOD, TSS and Oil & Grease requirements were removed with this reissuance since the facility conducted sampling during the previous permit term, demonstrating the required removal rates of these pollutants.
- c. Other:
- The receiving stream was corrected from Potomac River, UT, to Clarks Run.
 - The critical receiving stream flows were updated utilizing the available 2006 updated gage station information.
 - Part II of the permit has been updated to include VELAP requirements.
24. **Variances/Alternate Limits or Conditions:** None.
25. **Public Notice Information:**

First Public Notice Date: 28 November 2012

Second Public Notice Date: 5 December 2012

Public Notice Information is required by 9VAC25-31-280.B. All pertinent information is on file and may be inspected, and copied by contacting the: DEQ Northern Regional Office, 13901 Crown Court, Woodbridge, VA 22193; Telephone No. (703) 583-3873; Douglas.Frasier@deq.virginia.gov. See **Attachment 12** for a copy of the public notice document.

Persons may comment in writing or by email to the DEQ on the proposed permit action, and may request a public hearing, during the comment period. Comments shall include the name, address, and telephone number of the writer and of all persons represented by the commenter/requester, and shall contain a complete, concise statement of the factual basis for comments. Only those comments received within this period will be considered. The DEQ may decide to hold a public hearing, including another comment period, if public response is significant and there are substantial, disputed issues relevant to the permit. Requests for public hearings shall state 1) the reason why a hearing is requested; 2) a brief, informal statement regarding the nature and extent of the interest of the requester or of those represented by the requester, including how and to what extent such interest would be directly and adversely affected by the permit; and 3) specific references, where possible, to terms and conditions of the permit with suggested revisions. Following the comment period, the Board will make a determination regarding the proposed permit action. This determination will become effective, unless the DEQ grants a public hearing. Due notice of any public hearing will be given. The public may request an electronic copy of the draft permit and fact sheet or review the draft permit and application at the DEQ Northern Regional Office by appointment.

26. Additional Comments:

Previous Board Action(s):

The facility entered a Special Order by Consent effective 14 December 2009 due to several administrative deficiencies and limitation excursions. This Order was terminated on 30 March 2011 after the facility was able to fulfill the Order requirements and return to compliance.

See **Attachment 13** for the complete Order.

Staff Comments:

None.

Public Comment:

No comments received.

EPA Checklist:

The checklist can be found in **Attachment 14**.

Fact Sheet Attachments

Table of Contents

One Stop Trailer Park

VA0074934

2013 Reissuance

Attachment 1	Flow Frequency Determination
Attachment 2	Facility Schematic/Diagram
Attachment 3	Topographic Map
Attachment 4	Site Inspection Report
Attachment 5	Planning Statement
Attachment 6	Water Quality Criteria / Wasteload Allocation Analysis
Attachment 7	February 2008 – July 2012 Effluent Data
Attachment 8	Mixing Analysis
Attachment 9	Ammonia Limit Derivations
Attachment 10	Chlorine Limit Derivations
Attachment 11	June 1987 Stream Model
Attachment 12	Public Notice
Attachment 13	2009 Special Order by Consent
Attachment 14	EPA Checklist

MEMORANDUM

VIRGINIA DEPARTMENT OF ENVIRONMENTAL QUALITY

NORTHERN REGIONAL OFFICE

13901 Crown Court

Woodbridge, VA 22193

TO: VPDES Reissuance File VA0074934

DATE: 16 July 2012

FROM: Douglas Frasier

SUBJECT: Update of flow frequencies for the 2013 reissuance
One Stop Trailer Park

The One Stop Trailer Park discharges to the Clarks Run, near Lucketts, Virginia. Stream flow frequencies are required at this site for use in the development of effluent limitations for this VPDES permit.

There is an USGS/DEQ operated gaging station on the Catoctin Creek near Taylorstown, Virginia (#01638480). The referenced gaging station has a drainage area of 89.6 square miles. Staff utilized the 2006 flow information for the gage station #1068480 in order to determine the critical flows of the receiving stream. The NRO Water Resource Planners ascertained that the drainage area above the outfall for this facility is 1.7 square miles.

The flow frequencies shall be determined utilizing updated values (2006) at the aforementioned gaging station and adjusting them by proportional drainage areas. The high flow months are December – May

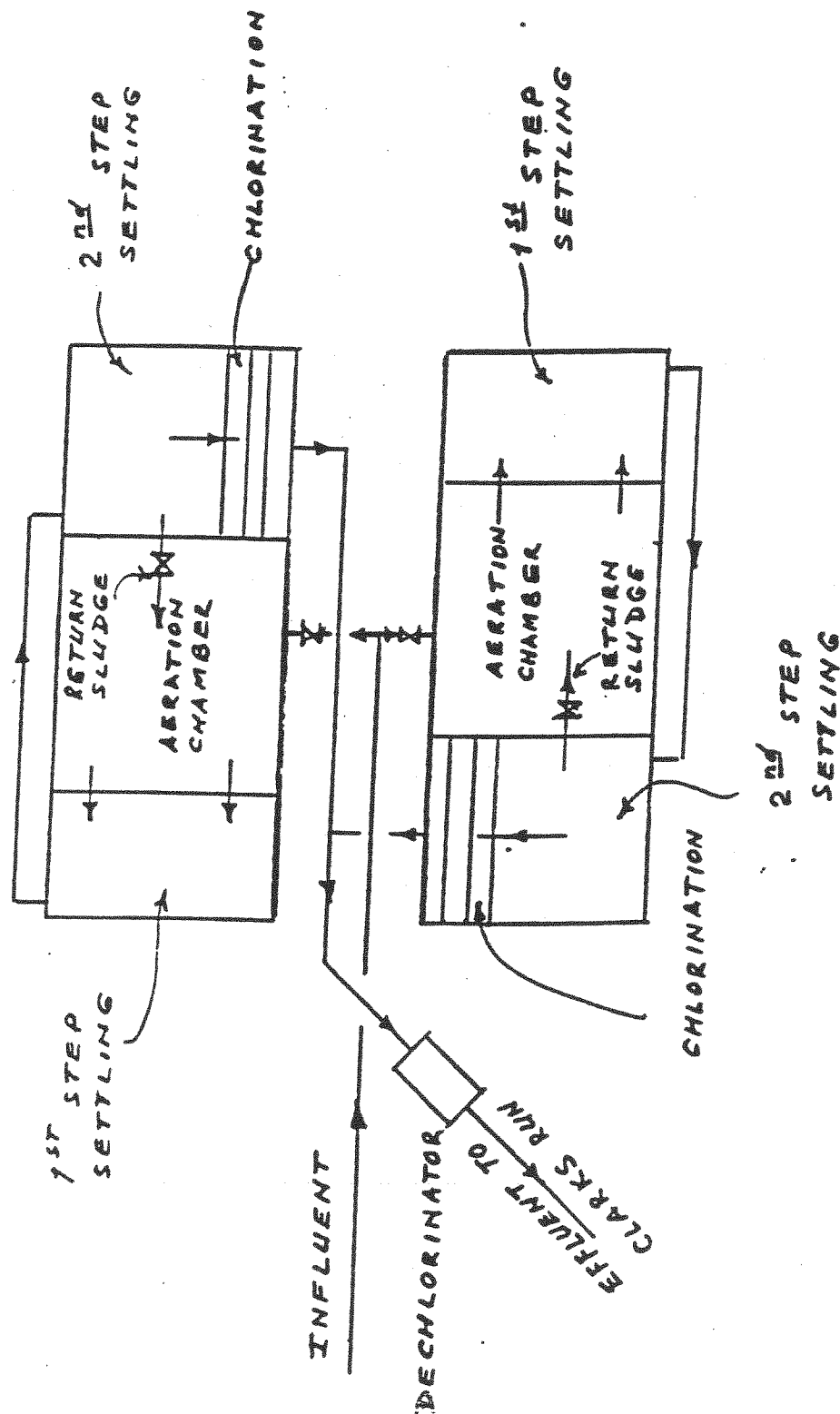
Catoctin Creek near Taylorstown, VA (#01638480)

Drainage area	=	89.6 sq. mi.
1Q10	=	0.52 cfs
7Q10	=	0.63 cfs
30Q5	=	2.8 cfs
30Q10	=	1.5 cfs
High flow 30Q10	=	12 cfs
High flow 1Q10	=	4.9 cfs
High flow 7Q10	=	7.0 cfs
Harmonic Mean	=	11 cfs

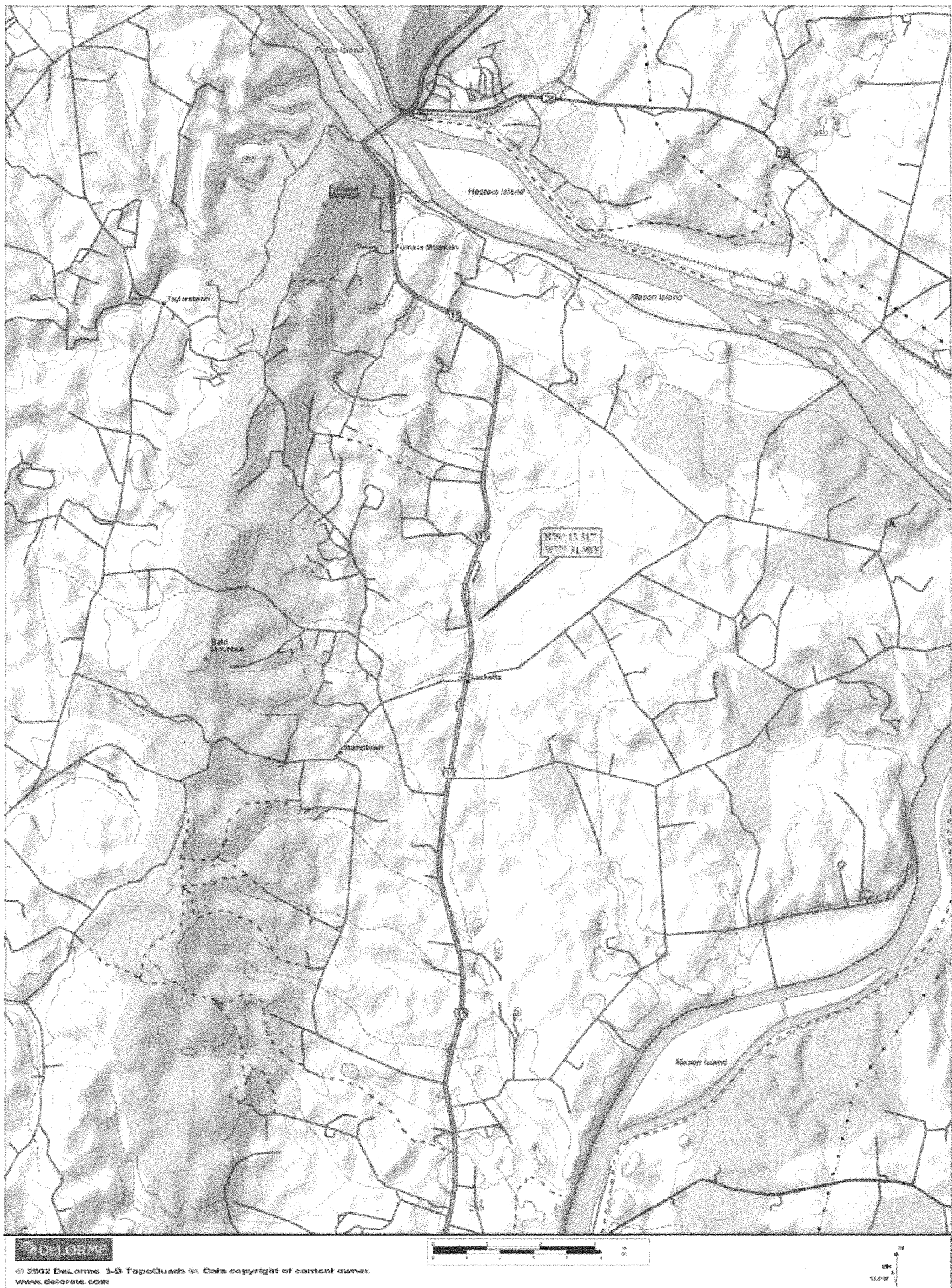
Clarks Run, at Outfall 001

Drainage area	=	1.7 sq. mi.	
1Q10	=	0.0098 cfs	0.0064 MGD*
7Q10	=	0.0119 cfs	0.0077 MGD*
30Q5	=	0.0531 cfs	0.0343 MGD*
30Q10	=	0.0284 cfs	0.0184 MGD*
High flow 30Q10	=	0.2277 cfs	0.1471 MGD*
High flow 1Q10	=	0.0930 cfs	0.0601 MGD*
High flow 7Q10	=	0.1328 cfs	0.0858 MGD*
Harmonic Mean	=	0.2087 cfs	0.1349 MGD*

*Conversion to MGD = (cfs flow measurement) x (0.6463)



PROCESS FLOW DIAGRAM
ONE STOP TRAILER PARK
SEWAGE TREATMENT PLANT





COMMONWEALTH of VIRGINIA

DEPARTMENT OF ENVIRONMENTAL QUALITY

NORTHERN REGIONAL OFFICE

13901 Crown Court, Woodbridge, Virginia 22193

(703) 583-3800 Fax (703) 583-3821

www.deq.virginia.gov

Douglas W. Domenech
Secretary of Natural Resources

David K. Paylor
Director

Thomas A. Faha
Regional Director

October 12, 2011

Mr. Gurcharan S. Lail
One Stop Trailer Park
14425 James Monroe Hwy.
Leesburg, VA 20176

Re: One Stop STP, Permit #VA0074934

Dear Mr. Lail:

Attached is a copy of the Inspection Report generated from the Facility Inspection conducted at One Stop Mobile Home Park – Sewage Treatment Plant (STP) on September 16, 2011.

This letter is not intended as a case decision under the Virginia Administrative Process Act, Va. Code § 2.2-4000 *et seq.* (APA). Additional inspections may be conducted to confirm that the facility is in compliance with permit requirements.

If you have any questions or comments concerning this report, please feel free to contact me at the Northern Regional Office at (703) 583-3882 or by E-mail at Sharon.Allen@deq.virginia.gov.

Sincerely,

A handwritten signature in cursive script that reads "Sharon Allen".

Sharon Allen
Environmental Specialist II


cc: Permits / DMR File

Electronic copy sent:

Compliance Manager, Compliance Auditor – DEQ
Art Nair- Inboden Environmental Services, Inc.

Virginia Department of Environmental Quality

RECON INSPECTION REPORT

FACILITY NAME: One Stop STP		INSPECTION DATE: September 16, 2011		
		INSPECTOR S. Allen		
PERMIT No.: VA0074734		REPORT DATE: October 12, 2011		
TYPE OF FACILITY: <input checked="" type="checkbox"/> Municipal <input type="checkbox"/> Major <input type="checkbox"/> Industrial <input checked="" type="checkbox"/> Minor <input type="checkbox"/> Federal <input type="checkbox"/> Small Minor <input type="checkbox"/> HP <input type="checkbox"/> LP	TIME OF INSPECTION:		Arrival 1105	Departure 1145
	TOTAL TIME SPENT (including prep & travel)		4 Hours	
	PHOTOGRAPHS: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		UNANNOUNCED INSPECTION? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
	REVIEWED BY / Date:  10/11/11			
PRESENT DURING INSPECTION: None				

INSPECTION OVERVIEW AND CONDITION OF TREATMENT UNITS

- The grass was cut and grounds are being maintained. The overall appearance of the facility was good.
- The waste tank was about 1/3 full and had a small crack near the bottom that had been repaired (Photo 1). There was a white powder that looked like lime on the ground between the waste tank and the STP.
- The influent manual bar screen was in need of cleaning.
- Treatment train #1-
 - Aeration basin- medium brown, crisp light foam, good air.
 - Stage 1 clarifier- murky, some leaves small amount of floating solids around edges.
 - Stage 2 clarifier- clear, water in the discharge channel clear. There is a hole or burrow alongside tank (photo 4).
 - CCT- both tubes in the chlorine tablet feeder were full.
- Treatment train #2-
 - Aeration basin- medium brown, no foam, good air.
 - Stage 1 clarifier- lots of floating ropery solids
 - Stage 2 clarifier- clear, some solids in eff channel
 - CCT- some floating solids, both tubes in the chlorine tablet feeder were full.
- Flow measurement box- there were some settled solids before the weir (photo 7). The plant effluent was very clear, with no odor.
- The control shed was locked. I could see through window equipment on hand for pH (including buffers) DO, TRC, and operator daily log sheets.
- Dechlorination and post aeration are located inside the control building. No problems were noted with either from outside the building.

Permit #

VA0074934

INSPECTION OVERVIEW AND CONDITION OF TREATMENT UNITS

- A new grinder pump station has been installed outside the store (photo 8). This pump station and a new lateral line were installed with DEQ approval in spring 2011 when it was discovered that the old lateral line was in poor shape and replacing the line was not feasible due to the path it took through the mobile home park.
- I checked Outfall 001 at Clarks Run. The wooden platform near the discharge pipe has been removed. The receiving stream looks good, with no problems noted (photo 10).

EFFLUENT FIELD DATA: NA

Flow	<input type="text"/> MGD	Dissolved Oxygen	<input type="text"/> mg/L	TRC (Contact Tank)	<input type="text"/> mg/L
pH	<input type="text"/> S.U.	Temperature	<input type="text"/> °C	TRC (Final Effluent)	<input type="text"/> mg/L
Was a Sampling Inspection conducted? <input type="checkbox"/> Yes (see Sampling Inspection Report) <input checked="" type="checkbox"/> No					

CONDITION OF OUTFALL AND EFFLUENT CHARACTERISTICS:

1. Type of outfall: ☒ Shore based ☐ Submerged Diffuser? ☐ Yes ☒ No
2. Are the outfall and supporting structures in good condition? ☒ Yes ☐ No
3. Final Effluent (evidence of following problems): ☐ Sludge bar ☐ Grease
☐ Turbid effluent ☐ Visible foam ☐ Unusual color ☐ Oil sheen
4. Is there a visible effluent plume in the receiving stream? ☐ Yes ☒ No
5. Receiving stream: ☒ No observed problems ☐ Indication of problems (explain below)
Comments:

REQUEST for CORRECTIVE ACTION:

1. None

NOTES and COMMENTS:

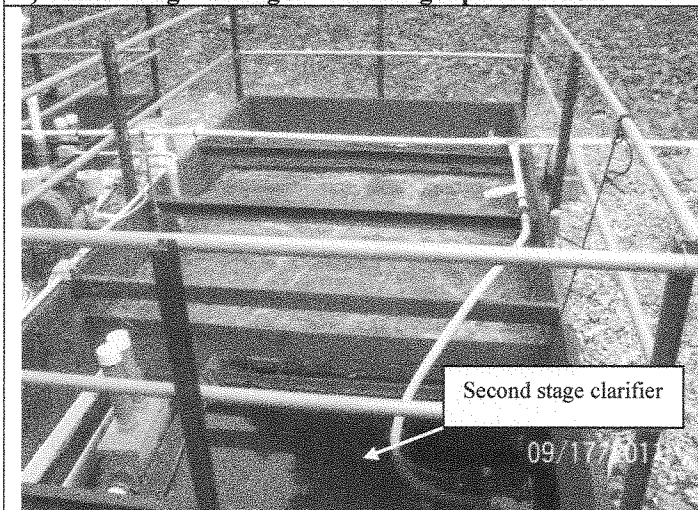
- The wooden fence surrounding the STP has numerous planks missing. While the chain link fence outside the wooden fence appears to be secure, the owner may want to replace missing boards to improve the appearance of the facility and discourage trespassing.
- There was a Dechlor tablet bucket near the headworks that contained a white powder. If buckets are re-used for other purposes, the contents should be clearly identified (Photo 2).
- In e-mail correspondence dated September 19, 2011, Mr. Nair informed me that there had been a leak from the waste tank. Operators were no longer wasting to this tank, are currently wasting out of the aeration basins using a septic hauler. Inboden staff is preparing repair/replacement options for the tank for Mr. Lail.
- Please note that replacement of this tank with a concrete holding tank may require the submission of a certificate to construct and certificate to operate applications. Please check with your DEQ Permit Writer – Mr. Doug Frasier.



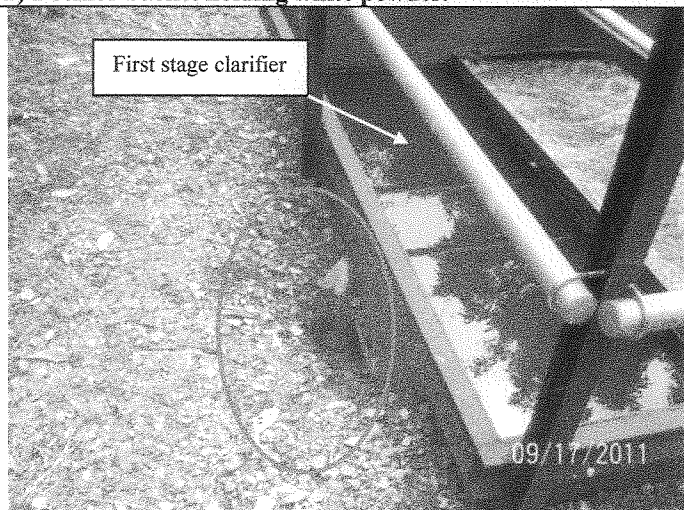
1) Waste sludge holding tank showing repaired crack.



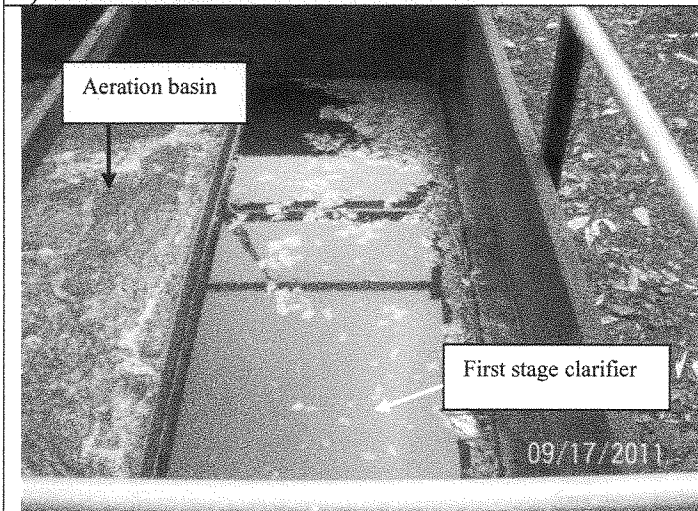
2) Dechlor bucket holding white powder.



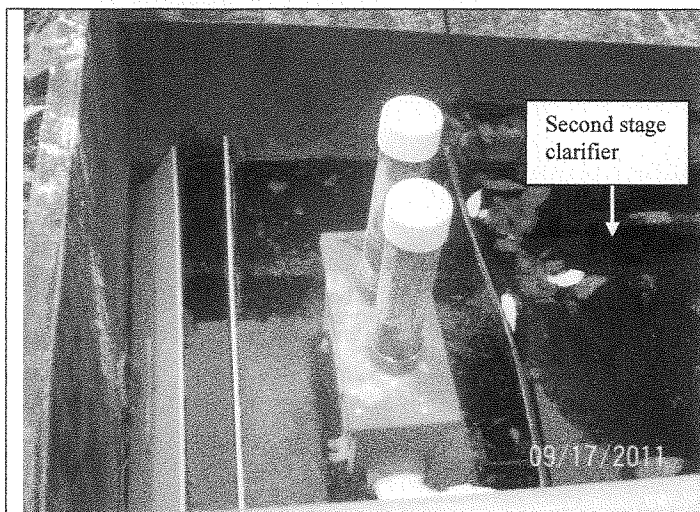
3) Treatment train #1.



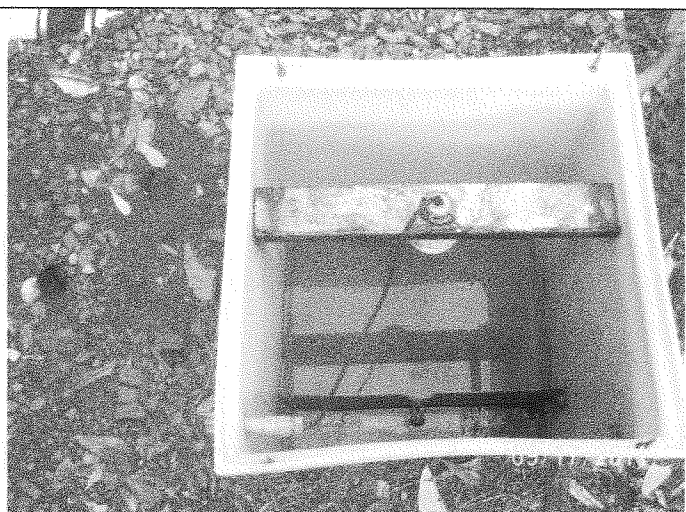
4) Treatment train #1, and hole/burrow.



5) Treatment train #2 (photo brightened).



6) Treatment train #2 chlorine contact tank (brightened).



7) Flow measurement box.



8) New grinder pump station outside store.



9) Outfall 001.



10) Receiving stream.

To: Jennifer Carlson
From: Douglas Frasier

Date: 27 July 2012
Subject: Planning Statement for One Stop Trailer Park
Permit Number: VA0074934

Information for Outfall 001:

Discharge Type: municipal, minor
Discharge Flow: 0.0062 MGD
Receiving Stream: Clarks Run
Latitude / Longitude: 39° 13' 19" / - 77° 31' 59"
Rivermile: 4.86
Streamcode: 1aCLK
Waterbody: VAN-A03R
Water Quality Standards: Class III, Section 10

1. Please provide water quality monitoring information for the receiving stream segment. If there is not monitoring information for the receiving stream segment, please provide information on the nearest downstream monitoring station, including how far downstream the monitoring station is from the outfall.

This facility discharges into Clarks Run. The nearest DEQ monitoring station is 1aCLK002.40, located at the Route 658 bridge crossing, approximately 2.2 miles downstream of Outfall 001. The following is the water quality summary for this segment of Clarks Run, as taken from the Draft 2012 Integrated Report*:

Class III, Section 10.

DEQ ambient water quality monitoring station 1aCLK002.40, at Route 658. Citizen monitoring event 1aCLK-CLRK01-SOS.

E. coli monitoring finds a bacterial impairment, resulting in an impaired classification for the recreation use.

Biological monitoring finds benthic macroinvertebrate impairments, resulting in an impaired classification for the aquatic life use.

The wildlife use is considered fully supporting. The fish consumption use was not assessed.

**The Draft 2012 Integrated Report (IR) has been through the public comment period and reviewed by EPA. The 2012 IR is currently being finalized and prepared for release.*

2. Does this facility discharge to a stream segment on the 303(d) list? If yes, please fill out Table A.

Yes.

Table A. 303(d) Impairment and TMDL information for the receiving stream segment

Waterbody Name	Impaired Use	Cause	TMDL completed	WLA	Basis for WLA	TMDL Schedule
<i>Impairment Information in the Draft 2012 Integrated Report*</i>						
Clarks Run	Recreation	<i>E. coli</i>	No	N/A	N/A	2020
	Aquatic Life	Benthic Macroinvertebrates	No	N/A	N/A	2024

**The Draft 2012 Integrated Report (IR) has been through the public comment period and reviewed by EPA. The 2012 IR is currently being finalized and prepared for release.*

3. Are there any downstream 303(d) listed impairments that are relevant to this discharge? If yes, please fill out Table B.

No.

4. Is there monitoring or other conditions that Planning/Assessment needs in the permit?

There is a completed downstream TMDL for the aquatic life use impairment for the Chesapeake Bay. However, the Bay TMDL and the WLAs contained within the TMDL are not addressed in this planning statement.

5. Fact Sheet Requirements – Please provide information regarding any drinking water intakes located within a 5 mile radius of the discharge point.

There are no public water supply intakes within a 5 mile radius.

FRESHWATER WATER QUALITY CRITERIA / WASTELOAD ALLOCATION ANALYSIS

Facility Name: One Stop Trailer Park

Permit No.: VA0074934

Receiving Stream: Clarks Run

Version: OWP Guidance Memo 00-2011 (8/24/00)

Stream Information

Mean Hardness (as CaCO₃) = 108 mg/L
 90% Temperature (Annual) = 22 deg C
 90% Temperature (Wet season) = 13.5 deg C
 90% Maximum pH = 8.1 SU
 10% Maximum pH = 7.3 SU
 Tier Designation (1 or 2) = 1
 Public Water Supply (PWS) Y/N? = n
 Trout Present Y/N? = n
 Early Life Stages Present Y/N? = y

Stream Flows

1Q10 (Annual) = 0.006 MGD
 7Q10 (Annual) = 0.008 MGD
 30Q10 (Annual) = 0.018 MGD
 1Q10 (Wet season) = 0.06 MGD
 30Q10 (Wet season) = 0.147 MGD
 30Q5 = 0.034 MGD
 Harmonic Mean = 0.135 MGD

Mixing Information

Annual - 1Q10 Mix = 91.15 %
 - 7Q10 Mix = 100 %
 - 30Q10 Mix = 100 %
 Wet Season - 1Q10 Mix = 100 %
 - 30Q10 Mix = 100 %

Effluent Information

Mean Hardness (as CaCO₃) = 50 mg/L
 90% Temp (Annual) = 26.1 deg C
 90% Temp (Wet season) = 16.3 deg C
 90% Maximum pH = 8.3 SU
 10% Maximum pH = 7.5 SU
 Discharge Flow = 0.0062 MGD

Parameter (ug/l unless noted)	Background Conc.	Water Quality Criteria			Wasteload Allocations			Antidegradation Baseline			Antidegradation Allocations			Most Limiting Allocations		
		Acute	Chronic	HH (PWS)	Acute	Chronic	HH (PWS)	Acute	Chronic	HH (PWS)	Acute	Chronic	HH (PWS)	Acute	Chronic	HH (PWS)
Acenaphthene	5	--	--	na	--	--	na	6.4E+03	--	--	--	--	--	--	--	na
Acrolein	0	--	--	na	--	--	na	6.0E+01	--	--	--	--	--	--	--	na
Acrylonitrile ^c	0	--	--	na	--	--	na	5.7E+01	--	--	--	--	--	--	--	na
Aldrin ^c	0	3.0E+00	--	na	5.0E-04	5.6E+00	na	1.1E-02	--	--	--	--	--	5.6E+00	--	na
Ammonia-N (mg/l) (Yearly)	0	5.79E+00	1.13E+00	na	--	1.1E+01	4.4E+00	na	--	--	--	--	--	1.1E+01	4.4E+00	na
Ammonia-N (mg/l) (High Flow)	0	6.75E+00	2.08E+00	na	--	7.2E+01	5.1E+01	na	--	--	--	--	--	7.2E+01	5.1E+01	na
Anthracene	0	--	--	na	4.0E+04	--	na	2.6E+05	--	--	--	--	--	--	--	na
Atimoty	0	--	--	na	6.4E+02	--	na	4.1E+03	--	--	--	--	--	--	--	na
Benic	0	3.4E+02	1.5E+02	na	--	6.4E+02	3.4E+02	na	--	--	--	--	--	6.4E+02	3.4E+02	na
Benilum	0	--	--	na	--	--	na	--	--	--	--	--	--	--	--	na
Benzene ^c	0	--	--	na	5.1E+02	--	na	1.2E+04	--	--	--	--	--	--	--	na
Benidine ^c	0	--	--	na	2.0E-03	--	na	4.6E-02	--	--	--	--	--	--	--	na
nzo (a) anthracene ^c	0	--	--	na	1.8E-01	--	na	4.1E+00	--	--	--	--	--	--	--	na
nzo (b) fluoranthene ^c	0	--	--	na	1.8E-01	--	na	4.1E+00	--	--	--	--	--	--	--	na
nzo (k) fluoranthene ^c	0	--	--	na	1.8E-01	--	na	4.1E+00	--	--	--	--	--	--	--	na
nzo (a) pyrene ^c	0	--	--	na	1.8E-01	--	na	4.1E+00	--	--	--	--	--	--	--	na
s2-Chloroethyl Ether ^c	0	--	--	na	5.3E+00	--	na	1.2E+02	--	--	--	--	--	--	--	na
s2-Chloroisopropyl Ether ^c	0	--	--	na	6.5E+04	--	na	4.2E+05	--	--	--	--	--	--	--	na
s 2-Ethylhexyl Phthalate ^c	0	--	--	na	2.2E+01	--	na	5.0E+02	--	--	--	--	--	--	--	na
omofom ^c	0	--	--	na	1.4E+03	--	na	3.2E+04	--	--	--	--	--	--	--	na
itylbenzylphthalate	0	--	--	na	1.9E+03	--	na	1.2E+04	--	--	--	--	--	--	--	na
admiun	0	2.9E+00	9.8E-01	na	--	5.5E+00	2.2E+00	na	--	--	--	--	--	5.5E+00	2.2E+00	na
arbon Tetrachloride ^c	0	--	--	na	1.6E+01	--	na	3.6E+02	--	--	--	--	--	--	--	na
loridane ^c	0	2.4E+00	4.3E-03	na	8.1E-03	4.5E+00	9.8E-03	na	1.8E-01	--	--	--	--	4.5E+00	9.8E-03	na
loride	0	8.6E+05	2.3E+05	na	--	1.6E+06	5.3E+05	na	--	--	--	--	--	1.6E+06	5.3E+05	na
zC	0	1.9E+01	1.1E+01	na	--	3.6E+01	2.5E+01	na	--	--	--	--	--	3.6E+01	2.5E+01	na
lorobenzene	0	--	--	na	1.6E+03	--	na	1.0E+04	--	--	--	--	--	--	--	na

Parameter (ug/l unless noted)	Background Conc.	Water Quality Criteria				Wasteload Allocations				Antidegradation Baseline				Antidegradation Allocations				Most Limiting Allocations			
		Acute	Chronic	HH (PWS)	HH	Acute	Chronic	HH (PWS)	HH	Acute	Chronic	HH (PWS)	HH	Acute	Chronic	HH (PWS)	HH	Acute	Chronic	HH (PWS)	HH
Chlorobromomethane ^c	0	--	--	na	1.3E+02	--	--	na	3.0E+03	--	--	--	--	--	--	--	--	--	--	na	3.0E+03
Chloroform	0	--	--	na	1.1E+04	--	--	na	7.1E+04	--	--	--	--	--	--	--	--	--	--	na	7.1E+04
2-Chloronaphthalene	0	--	--	na	1.6E+03	--	--	na	1.0E+04	--	--	--	--	--	--	--	--	--	--	na	1.0E+04
2-Chlorophenol	0	--	--	na	1.5E+02	--	--	na	9.7E+02	--	--	--	--	--	--	--	--	--	--	na	9.7E+02
Chlorpyrifos	0	8.3E-02	4.1E-02	na	--	1.6E-01	9.4E-02	na	--	--	--	--	--	--	--	--	--	1.6E-01	9.4E-02	na	--
Chromium III	0	4.6E-02	6.3E+01	na	--	8.7E+02	1.5E+02	na	--	--	--	--	--	--	--	--	--	8.7E+02	1.5E+02	na	--
Chromium VI	0	1.6E+01	1.1E+01	na	--	3.0E+01	2.5E+01	na	--	--	--	--	--	--	--	--	--	3.0E+01	2.5E+01	na	--
Chromium, Total	0	--	--	1.0E+02	--	--	--	na	--	--	--	--	--	--	--	--	--	--	--	na	--
Chrysene ^c	0	--	--	na	1.8E-02	--	--	na	4.1E-01	--	--	--	--	--	--	--	--	--	--	na	4.1E-01
Copper	0	1.1E+01	7.6E+00	na	--	2.0E+01	1.7E+01	na	--	--	--	--	--	--	--	--	--	2.0E+01	1.7E+01	na	--
Cyanide, Free	0	2.2E+01	5.2E+00	na	1.6E+04	4.1E+01	1.2E+01	na	1.0E+05	--	--	--	--	--	--	--	--	4.1E+01	1.2E+01	na	1.0E+05
DDD ^c	0	--	--	na	3.1E-03	--	--	na	7.1E-02	--	--	--	--	--	--	--	--	--	--	na	7.1E-02
DDE ^c	0	--	--	na	2.2E-03	--	--	na	5.0E-02	--	--	--	--	--	--	--	--	--	--	na	5.0E-02
DDT ^c	0	1.1E+00	1.0E-03	na	2.2E-03	2.1E+00	2.3E-03	na	5.0E-02	--	--	--	--	--	--	--	--	2.1E+00	2.3E-03	na	5.0E-02
Demeton	0	--	1.0E-01	na	--	--	2.3E-01	na	--	--	--	--	--	--	--	--	--	--	2.3E-01	na	--
Diazinon	0	1.7E-01	1.7E-01	na	--	3.2E-01	3.9E-01	na	--	--	--	--	--	--	--	--	--	3.2E-01	3.9E-01	na	--
Dibenz(a,h)anthracene ^c	0	--	--	na	1.8E-01	--	--	na	4.1E+00	--	--	--	--	--	--	--	--	--	--	na	4.1E+00
1,2-Dichlorobenzene	0	--	--	na	1.3E+03	--	--	na	8.4E+03	--	--	--	--	--	--	--	--	--	--	na	8.4E+03
1,3-Dichlorobenzene	0	--	--	na	9.6E+02	--	--	na	6.2E+03	--	--	--	--	--	--	--	--	--	--	na	6.2E+03
1,4-Dichlorobenzene	0	--	--	na	1.9E+02	--	--	na	1.2E+03	--	--	--	--	--	--	--	--	--	--	na	1.2E+03
3,3-Dichlorobenzidine ^c	0	--	--	na	2.8E-01	--	--	na	6.4E+00	--	--	--	--	--	--	--	--	--	--	na	6.4E+00
Dichlorobromomethane ^c	0	--	--	na	1.7E+02	--	--	na	3.9E+03	--	--	--	--	--	--	--	--	--	--	na	3.9E+03
1,2-Dichloroethane ^c	0	--	--	na	3.7E+02	--	--	na	8.4E+03	--	--	--	--	--	--	--	--	--	--	na	8.4E+03
1,1-Dichloroethylene	0	--	--	na	7.1E+03	--	--	na	4.6E+04	--	--	--	--	--	--	--	--	--	--	na	4.6E+04
1,2-trans-dichloroethylene	0	--	--	na	1.0E+04	--	--	na	6.5E+04	--	--	--	--	--	--	--	--	--	--	na	6.5E+04
2,4-Dichlorophenol	0	--	--	na	2.9E+02	--	--	na	1.9E+03	--	--	--	--	--	--	--	--	--	--	na	1.9E+03
2,4-Dichlorophenoxy acetic acid (2,4-D)	0	--	--	na	--	--	--	na	--	--	--	--	--	--	--	--	--	--	--	na	--
1,2-Dichloropropane ^c	0	--	--	na	1.5E+02	--	--	na	3.4E+03	--	--	--	--	--	--	--	--	--	--	na	3.4E+03
1,3-Dichloropropene ^c	0	--	--	na	2.1E+02	--	--	na	4.8E+03	--	--	--	--	--	--	--	--	--	--	na	4.8E+03
Dieldrin ^c	0	2.4E-01	5.6E-02	na	5.4E-04	4.5E-01	1.3E-01	na	1.2E-02	--	--	--	--	--	--	--	--	4.5E-01	1.3E-01	na	1.2E-02
Diethyl Phthalate	0	--	--	na	4.4E+04	--	--	na	2.9E+05	--	--	--	--	--	--	--	--	--	--	na	2.9E+05
2,4-Dimethylphenol	0	--	--	na	8.5E+02	--	--	na	5.5E+03	--	--	--	--	--	--	--	--	--	--	na	5.5E+03
Dimethyl Phthalate	0	--	--	na	1.1E+06	--	--	na	7.1E+06	--	--	--	--	--	--	--	--	--	--	na	7.1E+06
Di-n-Butyl Phthalate	0	--	--	na	4.5E+03	--	--	na	2.9E+04	--	--	--	--	--	--	--	--	--	--	na	2.9E+04
2,4 Dinitrophenol	0	--	--	na	5.3E+03	--	--	na	3.4E+04	--	--	--	--	--	--	--	--	--	--	na	3.4E+04
2-Methyl-4,6-Dinitrophenol	0	--	--	na	2.8E+02	--	--	na	1.8E+03	--	--	--	--	--	--	--	--	--	--	na	1.8E+03
2,4-Dinitrotoluene ^c	0	--	--	na	3.4E+01	--	--	na	7.7E+02	--	--	--	--	--	--	--	--	--	--	na	7.7E+02
Dioxin 2,3,7,8-tetrachlorodibenzo-p-dioxin	0	--	--	na	5.1E-08	--	--	na	3.3E-07	--	--	--	--	--	--	--	--	--	--	na	3.3E-07
1,2-Diphenylhydrazine ^c	0	--	--	na	2.0E+00	--	--	na	4.6E+01	--	--	--	--	--	--	--	--	--	--	na	4.6E+01
Alpha-Endosulfan	0	2.2E-01	5.6E-02	na	8.9E+01	4.1E-01	1.3E-01	na	5.8E+02	--	--	--	--	--	--	--	--	4.1E-01	1.3E-01	na	5.8E+02
Beta-Endosulfan	0	2.2E-01	5.6E-02	na	8.9E+01	4.1E-01	1.3E-01	na	5.8E+02	--	--	--	--	--	--	--	--	4.1E-01	1.3E-01	na	5.8E+02
Alpha + Beta Endosulfan	0	2.2E-01	5.6E-02	--	--	4.1E-01	1.3E-01	--	--	--	--	--	--	--	--	--	--	4.1E-01	1.3E-01	--	--
Endosulfan Sulfate	0	--	--	na	8.9E+01	--	--	na	5.8E+02	--	--	--	--	--	--	--	--	--	--	na	5.8E+02
Endrin	0	8.6E-02	3.6E-02	na	6.0E-02	1.6E-01	8.2E-02	na	3.9E-01	--	--	--	--	--	--	--	--	1.6E-01	8.2E-02	na	3.9E-01
Endrin Aldehyde	0	--	--	na	3.0E-01	--	--	na	1.9E+00	--	--	--	--	--	--	--	--	--	--	na	1.9E+00

Parameter (ug/l unless noted)	Background Conc.	Water Quality Criteria				Wasteload Allocations				Antidegradation Baseline				Antidegradation Allocations				Most Limiting Allocations			
		Acute	Chronic	HH (PWS)	HH	Acute	Chronic	HH (PWS)	HH	Acute	Chronic	HH (PWS)	HH	Acute	Chronic	HH (PWS)	HH	Acute	Chronic	HH (PWS)	HH
Ethylbenzene	0	--	--	na	2.1E+03	--	--	na	1.4E+04	--	--	--	--	--	--	--	--	--	--	na	1.4E+04
Fluoranthene	0	--	--	na	1.4E+02	--	--	na	9.1E+02	--	--	--	--	--	--	--	--	--	--	na	9.1E+02
Fluorene	0	--	--	na	5.3E+03	--	--	na	3.4E+04	--	--	--	--	--	--	--	--	--	--	na	3.4E+04
Foaming Agents	0	--	--	na	--	--	--	na	--	--	--	--	--	--	--	--	--	--	--	na	--
Guthion	0	--	1.0E-02	na	--	--	2.3E-02	na	--	--	--	--	--	--	--	--	--	--	2.3E-02	na	--
Heptachlor ^c	0	5.2E-01	3.8E-03	na	7.9E-04	9.8E-01	8.7E-03	na	1.8E-02	--	--	--	--	--	--	--	--	9.8E-01	8.7E-03	na	1.8E-02
Heptachlor Epoxide ^c	0	5.2E-01	3.8E-03	na	3.9E-04	9.8E-01	8.7E-03	na	8.9E-03	--	--	--	--	--	--	--	--	9.8E-01	8.7E-03	na	8.9E-03
Hexachlorobenzene ^c	0	--	--	na	2.9E-03	--	--	na	6.6E-02	--	--	--	--	--	--	--	--	--	--	na	6.6E-02
Hexachlorobutadiene ^c	0	--	--	na	1.8E+02	--	--	na	4.1E+03	--	--	--	--	--	--	--	--	--	--	na	4.1E+03
Hexachlorocyclohexane	0	--	--	na	4.9E-02	--	--	na	1.1E+00	--	--	--	--	--	--	--	--	--	--	na	1.1E+00
Alpha-BHC ^c	0	--	--	na	1.7E-01	--	--	na	3.9E+00	--	--	--	--	--	--	--	--	--	--	na	3.9E+00
Beta-BHC ^c	0	--	--	na	1.8E+00	1.8E+00	--	na	4.1E+01	--	--	--	--	--	--	--	--	1.8E+00	--	na	4.1E+01
Hexachlorocyclohexane	0	--	--	na	1.1E+03	--	--	na	7.1E+03	--	--	--	--	--	--	--	--	--	--	na	7.1E+03
Gamma-BHC ^c (Lindane)	0	--	--	na	3.3E+01	--	--	na	7.5E+02	--	--	--	--	--	--	--	--	--	--	na	7.5E+02
Hexachlorocyclopentadiene	0	--	2.0E+00	na	--	--	4.6E+00	na	--	--	--	--	--	--	--	--	--	--	4.6E+00	na	--
Hexachloroethane ^c	0	--	--	na	1.8E-01	--	--	na	4.1E+00	--	--	--	--	--	--	--	--	--	--	na	4.1E+00
Hydrogen Sulfide	0	--	--	na	9.6E+03	--	--	na	2.2E+05	--	--	--	--	--	--	--	--	--	--	na	2.2E+05
Indeno (1,2,3-cd) pyrene ^c	0	--	--	na	--	--	0.0E+00	na	--	--	--	--	--	--	--	--	--	--	--	na	--
Iron	0	8.6E+01	1.1E+01	na	--	1.6E+02	2.4E+01	na	--	--	--	--	--	--	--	--	--	1.6E+02	2.4E+01	na	--
Isophorone ^c	0	--	1.0E-01	na	--	--	2.3E-01	na	--	--	--	--	--	--	--	--	--	--	2.3E-01	na	--
Kepone	0	--	--	na	7.7E-01	2.6E+00	1.8E+00	na	--	--	--	--	--	--	--	--	--	2.6E+00	1.8E+00	na	--
Lead	0	--	0.0E+00	na	--	--	0.0E+00	na	--	--	--	--	--	--	--	--	--	--	0.0E+00	na	--
Malathion	0	--	1.1E+01	na	--	1.6E+02	2.4E+01	na	--	--	--	--	--	--	--	--	--	1.6E+02	2.4E+01	na	--
Manganese	0	--	1.0E-01	na	--	--	2.3E-01	na	--	--	--	--	--	--	--	--	--	--	2.3E-01	na	--
Mercury	0	1.4E+00	7.7E-01	na	--	2.6E+00	1.8E+00	na	--	--	--	--	--	--	--	--	--	2.6E+00	1.8E+00	na	--
Methyl Bromide	0	--	--	na	1.5E+03	--	--	na	9.7E+03	--	--	--	--	--	--	--	--	--	--	na	9.7E+03
Methylene Chloride ^c	0	--	--	na	5.9E+03	--	--	na	1.3E+05	--	--	--	--	--	--	--	--	--	--	na	1.3E+05
Methoxychlor	0	--	3.0E-02	na	--	--	6.9E-02	na	--	--	--	--	--	--	--	--	--	--	6.9E-02	na	--
Mirex	0	--	0.0E+00	na	--	--	0.0E+00	na	--	--	--	--	--	--	--	--	--	--	0.0E+00	na	--
Nickel	0	1.5E+02	1.7E+01	na	4.6E+03	2.8E+02	4.0E+01	na	3.0E+04	--	--	--	--	--	--	--	--	2.8E+02	4.0E+01	na	3.0E+04
Nitrate (as N)	0	--	--	na	--	--	--	na	--	--	--	--	--	--	--	--	--	--	--	na	--
Nitrobenzene	0	--	--	na	6.9E+02	--	--	na	4.5E+03	--	--	--	--	--	--	--	--	--	--	na	4.5E+03
N-Nitrosodimethylamine ^c	0	--	--	na	3.0E+01	--	--	na	6.8E+02	--	--	--	--	--	--	--	--	--	--	na	6.8E+02
N-Nitrosodiphenylamine ^c	0	--	--	na	6.0E+01	--	--	na	1.4E+03	--	--	--	--	--	--	--	--	--	--	na	1.4E+03
N-Nitrosodi-n-propylamine ^c	0	--	--	na	5.1E+00	--	--	na	1.2E+02	--	--	--	--	--	--	--	--	--	--	na	1.2E+02
Nonylphenol	0	2.8E+01	6.6E+00	--	--	5.3E+01	1.5E+01	na	--	--	--	--	--	--	--	--	--	5.3E+01	1.5E+01	na	--
Parathion	0	6.5E-02	1.3E-02	na	--	1.2E-01	3.0E-02	na	--	--	--	--	--	--	--	--	--	1.2E-01	3.0E-02	na	--
PCB Total ^c	0	--	1.4E-02	na	6.4E-04	--	3.2E-02	na	1.5E-02	--	--	--	--	--	--	--	--	--	3.2E-02	na	1.5E-02
Pentachlorophenol ^c	0	1.3E+01	9.8E+00	na	3.0E+01	2.4E+01	2.2E+01	na	6.8E+02	--	--	--	--	--	--	--	--	2.4E+01	2.2E+01	na	6.8E+02
Phenol	0	--	--	na	8.6E+05	--	--	na	5.6E+06	--	--	--	--	--	--	--	--	--	--	na	5.6E+06
Pyrene	0	--	--	na	4.0E+03	--	--	na	2.6E+04	--	--	--	--	--	--	--	--	--	--	na	2.6E+04
Radionuclides	0	--	--	na	--	--	--	na	--	--	--	--	--	--	--	--	--	--	--	na	--
Gross Alpha Activity (pCi/L)	0	--	--	na	--	--	--	na	--	--	--	--	--	--	--	--	--	--	--	na	--
Beta and Photon Activity (mrem/yr)	0	--	--	na	4.0E+00	--	--	na	2.6E+01	--	--	--	--	--	--	--	--	--	--	na	2.6E+01
Radium 226 + 228 (pCi/L)	0	--	--	na	--	--	--	na	--	--	--	--	--	--	--	--	--	--	--	na	--
Uranium (ug/l)	0	--	--	na	--	--	--	na	--	--	--	--	--	--	--	--	--	--	--	na	--

Parameter (ug/l unless noted)	Background Conc.	Water Quality Criteria				Wasteload Allocations				Antidegradation Baseline				Antidegradation Allocations				Most Limiting Allocations			
		Acute	Chronic	HH (PWS)	HH	Acute	Chronic	HH (PWS)	HH	Acute	Chronic	HH (PWS)	HH	Acute	Chronic	HH (PWS)	HH	Acute	Chronic	HH (PWS)	HH
Selenium, Total Recoverable	0	2.0E+01	5.0E+00	na	4.2E+03	3.8E+01	1.1E+01	na	2.7E+04	--	--	--	--	--	--	--	--	3.8E+01	1.1E+01	na	2.7E+04
Silver	0	2.2E+00	--	na	--	4.2E+00	--	na	--	--	--	--	--	--	--	--	--	4.2E+00	--	na	--
Sulfate	0	--	--	na	--	--	--	na	--	--	--	--	--	--	--	--	--	--	--	na	--
1,1,2,2-Tetrachloroethane ^c	0	--	--	na	4.0E+01	--	--	na	9.1E+02	--	--	--	--	--	--	--	--	--	--	na	9.1E+02
Tetrachloroethylene ^c	0	--	--	na	3.3E+01	--	--	na	7.5E+02	--	--	--	--	--	--	--	--	--	--	na	7.5E+02
Thallium	0	--	--	na	4.7E-01	--	--	na	3.0E+00	--	--	--	--	--	--	--	--	--	--	na	3.0E+00
Toluene	0	--	--	na	6.0E+03	--	--	na	3.9E+04	--	--	--	--	--	--	--	--	--	--	na	3.9E+04
Total dissolved solids	0	--	--	na	--	--	--	na	--	--	--	--	--	--	--	--	--	--	--	na	--
Toxaphene ^c	0	7.3E-01	2.0E-04	na	2.8E-03	1.4E+00	4.6E-04	na	6.4E-02	--	--	--	--	--	--	--	--	1.4E+00	4.6E-04	na	6.4E-02
Tributyltin	0	4.6E-01	7.2E-02	na	--	8.7E-01	1.6E-01	na	--	--	--	--	--	--	--	--	--	8.7E-01	1.6E-01	na	--
1,2,4-Trichlorobenzene	0	--	--	na	7.0E+01	--	--	na	4.5E+02	--	--	--	--	--	--	--	--	--	--	na	4.5E+02
1,1,2-Trichloroethane ^c	0	--	--	na	1.6E+02	--	--	na	3.6E+03	--	--	--	--	--	--	--	--	--	--	na	3.6E+03
Trichloroethylene ^c	0	--	--	na	3.0E+02	--	--	na	6.9E+03	--	--	--	--	--	--	--	--	--	--	na	6.9E+03
2,4,6-Trichlorophenol ^c	0	--	--	na	2.4E+01	--	--	na	5.5E+02	--	--	--	--	--	--	--	--	--	--	na	5.5E+02
2-(2,4,5-Trichlorophenoxy)propionic acid (Silvex)	0	--	--	na	--	--	--	na	--	--	--	--	--	--	--	--	--	--	--	na	--
Vinyl Chloride ^c	0	--	--	na	--	--	--	na	--	--	--	--	--	--	--	--	--	--	--	na	--
Zinc	0	9.4E+01	1.0E+02	na	2.4E+01	--	--	na	5.5E+02	--	--	--	--	--	--	--	--	1.8E+02	2.3E+02	na	5.5E+02
	0			na	2.6E+04	1.8E+02	2.3E+02	na	1.7E+05	--	--	--	--	--	--	--	--			na	1.7E+05

Notes:

- All concentrations expressed as micrograms/liter (ug/l), unless noted otherwise
- Discharge flow is highest monthly average or Form 2C maximum for industries and design flow for Municipals
- Metals measured as Dissolved, unless specified otherwise
- "C" indicates a carcinogenic parameter
- Regular WLAs are mass balances (minus background concentration) using the % of stream flow entered above under Mixing information.
Antidegradation WLAs are based upon a complete mix.
- Antideg. Baseline = (0.25(WQC - background conc.) + background conc.) for acute and chronic
= (0.1(WQC - background conc.) + background conc.) for human health
- WLAs established at the following stream flows: 1Q10 for Acute, 30Q10 for Chronic Ammonia, 7Q10 for Other Chronic, 30Q5 for Non-carcinogens and Harmonic Mean for Carcinogens. To apply mixing ratios from a model set the stream flow equal to (mixing ratio - 1), effluent flow equal to 1 and 100% mix.

Metal	Target Value (SSTV)
Antimony	4.1E+03
Arsenic	2.1E+02
Barium	na
Cadmium	1.3E+00
Chromium III	8.7E+01
Chromium VI	1.2E+01
Copper	7.9E+00
Iron	na
Lead	1.5E+01
Manganese	na
Mercury	1.1E+00
Nickel	2.4E+01
Selenium	6.9E+00
Silver	1.7E+00
Zinc	7.1E+01

Note: do not use QL's lower than the minimum QL's provided in agency guidance

Permit #:VA0074934

Facility:One Stop Trailer Park

Rec'd	Parameter Description	QTY AVG	Lim Avg	QTY MAX	Lim Max	Quantity Unit Lim	CONC MIN	Lim Min	CONC AVG	Lim Avg	CONC MAX	Lim Max	Conce ntratio n Unit Lim
12-Feb-2008	BOD5	0.1	0.7	0.095	1.1	KG/D	NULL	*****	6	30	6	45	MGL
13-Mar-2008	BOD5	0.09	0.7	0.085	1.1	KG/D	NULL	*****	5	30	5	45	MGL
11-Apr-2008	BOD5	0.18	0.7	0.1817	1.1	KG/D	NULL	*****	10	30	10	45	MGL
14-May-2008	BOD5	0.07	0.7	0.066	1.1	KG/D	NULL	*****	5	30	5	45	MGL
13-Jun-2008	BOD5	0.4	0.7	0.4	1.1	KG/D	NULL	*****	24	30	24	45	MGL
12-Dec-2008	BOD5	0.09	0.7	0.09	1.1	KG/D	NULL	*****	7	30	7	45	MGL
15-Dec-2008	BOD5	0.07	0.7	0.07	1.1	KG/D	NULL	*****	5	30	5	45	MGL
14-Jan-2009	BOD5	0.08	0.7	0.08	1.1	KG/D	NULL	*****	6	30	6	45	MGL
18-Feb-2009	BOD5	0.09	0.7	0.09	1.1	KG/D	NULL	*****	9	30	9	45	MGL
20-May-2009	BOD5	0.14	0.7	0.14	1.1	KG/D	NULL	*****	8	30	8	45	MGL
20-May-2009	BOD5	0.11	0.7	0.11	1.1	KG/D	NULL	*****	7	30	7	45	MGL
20-May-2009	BOD5	0.1	0.7	0.1	1.1	KG/D	NULL	*****	7	30	7	45	MGL
12-Feb-2010	BOD5	0.02	0.7	0.03	1.1	KG/D	NULL	*****	2	30	4	45	MGL
12-Mar-2010	BOD5	0.04	0.7	0.08	1.1	KG/D	NULL	*****	4	30	12	45	MGL
12-Apr-2010	BOD5	0.01	0.7	0.06	1.1	KG/D	NULL	*****	2	30	10	45	MGL
11-May-2010	BOD5	0.01	0.7	0.04	1.1	KG/D	NULL	*****	1	30	5	45	MGL
11-Jun-2010	BOD5	0.02	0.7	0.07	1.1	KG/D	NULL	*****	5	30	12	45	MGL
12-Jul-2010	BOD5	<QL	0.7	0.16	1.1	KG/D	NULL	*****	4	30	13	45	MGL
11-Aug-2010	BOD5	0.18	0.7	0.18	1.1	KG/D	NULL	*****	13	30	13	45	MGL
13-Sep-2010	BOD5	<QL	0.7	<QL	1.1	KG/D	NULL	*****	<QL	30	<QL	45	MGL
12-Oct-2010	BOD5	0.02	0.7	0.02	1.1	KG/D	NULL	*****	5	30	5	45	MGL
12-Nov-2010	BOD5	0.06	0.7	0.06	1.1	KG/D	NULL	*****	6	30	6	45	MGL
13-Dec-2010	BOD5	<QL	0.7	<QL	1.1	KG/D	NULL	*****	<QL	30	<QL	45	MGL
11-Jan-2011	BOD5	<QL	0.7	<QL	1.1	KG/D	NULL	*****	<QL	30	<QL	45	MGL
11-Feb-2011	BOD5	<QL	0.7	<QL	1.1	KG/D	NULL	*****	<QL	30	<QL	45	MGL
11-Mar-2011	BOD5	<QL	0.7	<QL	1.1	KG/D	NULL	*****	<QL	30	<QL	45	MGL
11-Apr-2011	BOD5	<QL	0.7	<QL	1.1	KG/D	NULL	*****	<QL	30	<QL	45	MGL
11-May-2011	BOD5	<QL	0.7	<QL	1.1	KG/D	NULL	*****	<QL	30	<QL	45	MGL
13-Jun-2011	BOD5	<QL	0.7	<QL	1.1	KG/D	NULL	*****	<QL	30	<QL	45	MGL
11-Jul-2011	BOD5	0.13	0.7	0.13	1.1	KG/D	NULL	*****	7	30	7	45	MGL
11-Aug-2011	BOD5	<QL	0.7	<QL	1.1	KG/D	NULL	*****	<QL	30	<QL	45	MGL
12-Sep-2011	BOD5	0.07	0.7	0.07	1.1	KG/D	NULL	*****	6	30	6	45	MGL
06-Oct-2011	BOD5	<QL	0.7	<QL	1.1	KG/D	NULL	*****	<QL	30	<QL	45	MGL
14-Nov-2011	BOD5	<QL	0.7	<QL	1.1	KG/D	NULL	*****	<QL	30	<QL	45	MGL
12-Dec-2011	BOD5	0.19	0.7	0.19	1.1	KG/D	NULL	*****	11	30	11	45	MGL

11-Jan-2012	BOD5		<QL	0.7	<QL	1.1	KG/D	NULL	*****	<QL	30	<QL	45	MG/L
13-Feb-2012	BOD5		<QL	0.7	<QL	1.1	KG/D	NULL	*****	<QL	30	<QL	45	MG/L
12-Mar-2012	BOD5		0.02	0.7	0.02	1.1	KG/D	NULL	*****	5	30	5	45	MG/L
11-Apr-2012	BOD5		0.07	0.7	0.07	1.1	KG/D	NULL	*****	6	30	6	45	MG/L
11-May-2012	BOD5		0.06	0.7	0.06	1.1	KG/D	NULL	*****	6	30	6	45	MG/L
11-Jun-2012	BOD5		0.2	0.7	0.2	1.1	KG/D	NULL	*****	7	30	7	45	MG/L
11-Jul-2012	BOD5		0.04	0.7	0.04	1.1	KG/D	NULL	*****	5	30	5	45	MG/L
12-Feb-2008	BOD5, INFLUENT		NULL	*****	NULL	*****	NULL	NULL	*****	NULL	*****	52	NL	MG/L
13-Mar-2008	BOD5, INFLUENT		NULL	*****	NULL	*****	NULL	NULL	*****	NULL	*****	197	NL	MG/L
11-Apr-2008	BOD5, INFLUENT		NULL	*****	NULL	*****	NULL	NULL	*****	NULL	*****	12	NL	MG/L
14-May-2008	BOD5, INFLUENT		NULL	*****	NULL	*****	NULL	NULL	*****	NULL	*****	25	NL	MG/L
13-Jun-2008	BOD5, INFLUENT		NULL	*****	NULL	*****	NULL	NULL	*****	NULL	*****	51	NL	MG/L
15-Dec-2008	BOD5, INFLUENT		NULL	*****	NULL	*****	NULL	NULL	*****	NULL	*****	354	NL	MG/L
14-Jan-2009	BOD5, INFLUENT		NULL	*****	NULL	*****	NULL	NULL	*****	NULL	*****	268	NL	MG/L
18-Feb-2009	BOD5, INFLUENT		NULL	*****	NULL	*****	NULL	NULL	*****	NULL	*****	417	NL	MG/L
20-May-2009	BOD5, INFLUENT		NULL	*****	NULL	*****	NULL	NULL	*****	NULL	*****	144	NL	MG/L
20-May-2009	BOD5, INFLUENT		NULL	*****	NULL	*****	NULL	NULL	*****	NULL	*****	172	NL	MG/L
20-May-2009	BOD5, INFLUENT		NULL	*****	NULL	*****	NULL	NULL	*****	NULL	*****	359	NL	MG/L
12-Feb-2010	BOD5, INFLUENT		NULL	*****	NULL	*****	NULL	NULL	*****	NULL	*****	204	NL	MG/L
12-Mar-2010	BOD5, INFLUENT		NULL	*****	NULL	*****	NULL	NULL	*****	NULL	*****	451	NL	MG/L
12-Apr-2010	BOD5, INFLUENT		NULL	*****	NULL	*****	NULL	NULL	*****	NULL	*****	101	NL	MG/L
11-May-2010	BOD5, INFLUENT		NULL	*****	NULL	*****	NULL	NULL	*****	NULL	*****	245	NL	MG/L
11-Jun-2010	BOD5, INFLUENT		NULL	*****	NULL	*****	NULL	NULL	*****	NULL	*****	556	NL	MG/L
12-Jul-2010	BOD5, INFLUENT		NULL	*****	NULL	*****	NULL	NULL	*****	NULL	*****	217	NL	MG/L
11-Aug-2010	BOD5, INFLUENT		NULL	*****	NULL	*****	NULL	NULL	*****	NULL	*****	332	NL	MG/L
13-Sep-2010	BOD5, INFLUENT		NULL	*****	NULL	*****	NULL	NULL	*****	NULL	*****	246	NL	MG/L
12-Oct-2010	BOD5, INFLUENT		NULL	*****	NULL	*****	NULL	NULL	*****	NULL	*****	444	NL	MG/L
12-Nov-2010	BOD5, INFLUENT		NULL	*****	NULL	*****	NULL	NULL	*****	NULL	*****	176	NL	MG/L
13-Dec-2010	BOD5, INFLUENT		NULL	*****	NULL	*****	NULL	NULL	*****	NULL	*****	265	NL	MG/L
11-Jan-2011	BOD5, INFLUENT		NULL	*****	NULL	*****	NULL	NULL	*****	NULL	*****	258	NL	MG/L
11-Feb-2011	BOD5, INFLUENT		NULL	*****	NULL	*****	NULL	NULL	*****	NULL	*****	136	NL	MG/L
11-Mar-2011	BOD5, INFLUENT		NULL	*****	NULL	*****	NULL	NULL	*****	NULL	*****	184	NL	MG/L
11-Apr-2011	BOD5, INFLUENT		NULL	*****	NULL	*****	NULL	NULL	*****	NULL	*****	173	NL	MG/L
11-May-2011	BOD5, INFLUENT		NULL	*****	NULL	*****	NULL	NULL	*****	NULL	*****	227	NL	MG/L
13-Jun-2011	BOD5, INFLUENT		NULL	*****	NULL	*****	NULL	NULL	*****	NULL	*****	304	NL	MG/L
11-Jul-2011	BOD5, INFLUENT		NULL	*****	NULL	*****	NULL	NULL	*****	NULL	*****	300	NL	MG/L
11-Aug-2011	BOD5, INFLUENT		NULL	*****	NULL	*****	NULL	NULL	*****	NULL	*****	583	NL	MG/L
12-Sep-2011	BOD5, INFLUENT		NULL	*****	NULL	*****	NULL	NULL	*****	NULL	*****	165	NL	MG/L
06-Oct-2011	BOD5, INFLUENT		NULL	*****	NULL	*****	NULL	NULL	*****	NULL	*****	211	NL	MG/L
14-Nov-2011	BOD5, INFLUENT		NULL	*****	NULL	*****	NULL	NULL	*****	NULL	*****	2.4	NL	MG/L
12-Dec-2011	BOD5, INFLUENT		NULL	*****	NULL	*****	NULL	NULL	*****	NULL	*****	467	NL	MG/L
11-Jan-2012	BOD5, INFLUENT		NULL	*****	NULL	*****	NULL	NULL	*****	NULL	*****	246	NL	MG/L
13-Feb-2012	BOD5, INFLUENT		NULL	*****	NULL	*****	NULL	NULL	*****	NULL	*****	238	NL	MG/L
12-Mar-2012	BOD5, INFLUENT		NULL	*****	NULL	*****	NULL	NULL	*****	NULL	*****	178	NL	MG/L

11-Apr-2008	PH	NULL	*****	NULL	*****	NULL	*****	7	6	NULL	*****	7.6	9	SU
14-May-2008	PH	NULL	*****	NULL	*****	NULL	*****	7.2	6	NULL	*****	7.6	9	SU
13-Jun-2008	PH	NULL	*****	NULL	*****	NULL	*****	7.2	6	NULL	*****	7.6	9	SU
12-Dec-2008	PH	NULL	*****	NULL	*****	NULL	*****	7.3	6	NULL	*****	7.7	9	SU
15-Dec-2008	PH	NULL	*****	NULL	*****	NULL	*****	7.1	6	NULL	*****	7.7	9	SU
14-Jan-2009	PH	NULL	*****	NULL	*****	NULL	*****	7.3	6	NULL	*****	7.7	9	SU
18-Feb-2009	PH	NULL	*****	NULL	*****	NULL	*****	7.3	6	NULL	*****	7.7	9	SU
20-May-2009	PH	NULL	*****	NULL	*****	NULL	*****	7.1	6	NULL	*****	7.7	9	SU
20-May-2009	PH	NULL	*****	NULL	*****	NULL	*****	7.3	6	NULL	*****	7.7	9	SU
20-May-2009	PH	NULL	*****	NULL	*****	NULL	*****	7.3	6	NULL	*****	7.8	9	SU
04-Jun-2009	PH	NULL	*****	NULL	*****	NULL	*****	7.3	6	NULL	*****	7.4	9	SU
12-Feb-2010	PH	NULL	*****	NULL	*****	NULL	*****	7.32	6	NULL	*****	8.23	9	SU
12-Mar-2010	PH	NULL	*****	NULL	*****	NULL	*****	7.32	6	NULL	*****	7.87	9	SU
12-Apr-2010	PH	NULL	*****	NULL	*****	NULL	*****	6.98	6	NULL	*****	7.82	9	SU
11-May-2010	PH	NULL	*****	NULL	*****	NULL	*****	7	6	NULL	*****	7.74	9	SU
11-Jun-2010	PH	NULL	*****	NULL	*****	NULL	*****	7.13	6	NULL	*****	7.77	9	SU
12-Jul-2010	PH	NULL	*****	NULL	*****	NULL	*****	6.92	6	NULL	*****	8.06	9	SU
11-Aug-2010	PH	NULL	*****	NULL	*****	NULL	*****	7.17	6	NULL	*****	8.32	9	SU
13-Sep-2010	PH	NULL	*****	NULL	*****	NULL	*****	6.73	6	NULL	*****	8.54	9	SU
12-Oct-2010	PH	NULL	*****	NULL	*****	NULL	*****	6.53	6	NULL	*****	8.51	9	SU
12-Nov-2010	PH	NULL	*****	NULL	*****	NULL	*****	6.61	6	NULL	*****	8.44	9	SU
13-Dec-2010	PH	NULL	*****	NULL	*****	NULL	*****	6.73	6	NULL	*****	8.14	9	SU
11-Jan-2011	PH	NULL	*****	NULL	*****	NULL	*****	7.07	6	NULL	*****	7.8	9	SU
11-Feb-2011	PH	NULL	*****	NULL	*****	NULL	*****	7.07	6	NULL	*****	7.74	9	SU
11-Mar-2011	PH	NULL	*****	NULL	*****	NULL	*****	7.01	6	NULL	*****	7.43	9	SU
11-Apr-2011	PH	NULL	*****	NULL	*****	NULL	*****	6.5	6	NULL	*****	7.87	9	SU
11-May-2011	PH	NULL	*****	NULL	*****	NULL	*****	6.98	6	NULL	*****	8.28	9	SU
13-Jun-2011	PH	NULL	*****	NULL	*****	NULL	*****	6.8	6	NULL	*****	8.12	9	SU
11-Jul-2011	PH	NULL	*****	NULL	*****	NULL	*****	6.82	6	NULL	*****	8.3	9	SU
11-Aug-2011	PH	NULL	*****	NULL	*****	NULL	*****	6.76	6	NULL	*****	7.68	9	SU
12-Sep-2011	PH	NULL	*****	NULL	*****	NULL	*****	6.89	6	NULL	*****	8.8	9	SU
06-Oct-2011	PH	NULL	*****	NULL	*****	NULL	*****	6.62	6	NULL	*****	7.82	9	SU
14-Nov-2011	PH	NULL	*****	NULL	*****	NULL	*****	6.59	6	NULL	*****	7.47	9	SU
12-Dec-2011	PH	NULL	*****	NULL	*****	NULL	*****	6.77	6	NULL	*****	7.54	9	SU
11-Jan-2012	PH	NULL	*****	NULL	*****	NULL	*****	7.07	6	NULL	*****	7.81	9	SU
13-Feb-2012	PH	NULL	*****	NULL	*****	NULL	*****	6.91	6	NULL	*****	8.1	9	SU
12-Mar-2012	PH	NULL	*****	NULL	*****	NULL	*****	7.2	6	NULL	*****	8.32	9	SU
11-Apr-2012	PH	NULL	*****	NULL	*****	NULL	*****	7.22	6	NULL	*****	8.09	9	SU
11-May-2012	PH	NULL	*****	NULL	*****	NULL	*****	7.12	6	NULL	*****	7.72	9	SU
11-Jun-2012	PH	NULL	*****	NULL	*****	NULL	*****	7.07	6	NULL	*****	8	9	SU
11-Jul-2012	PH	NULL	*****	NULL	*****	NULL	*****	6.78	6	NULL	*****	7.57	9	SU
											90th	8.3		
											10th	7.5		

12-Feb-2008	TSS		0.19	0.7	0.191	1.1 KG/D	1.1 KG/D	NULL	*****	12	30	12	45	MG/L
13-Mar-2008	TSS		0.02	0.7	0.017	1.1 KG/D	1.1 KG/D	NULL	*****	1	30	1	45	MG/L
11-Apr-2008	TSS		0.51	0.7	0.5087	1.1 KG/D	1.1 KG/D	NULL	*****	28	30	28	45	MG/L
14-May-2008	TSS		0.01	0.7	0.013	1.1 KG/D	1.1 KG/D	NULL	*****	1	30	1	45	MG/L
13-Jun-2008	TSS		0.2	0.7	0.2	1.1 KG/D	1.1 KG/D	NULL	*****	14	30	14	45	MG/L
12-Dec-2008	TSS		0.3	0.7	0.3	1.1 KG/D	1.1 KG/D	NULL	*****	24	30	24	45	MG/L
15-Dec-2008	TSS		0.34	0.7	0.34	1.1 KG/D	1.1 KG/D	NULL	*****	26	30	26	45	MG/L
14-Jan-2009	TSS		0.21	0.7	0.21	1.1 KG/D	1.1 KG/D	NULL	*****	16	30	16	45	MG/L
18-Feb-2009	TSS		0.29	0.7	0.29	1.1 KG/D	1.1 KG/D	NULL	*****	20	30	20	45	MG/L
20-May-2009	TSS		0.29	0.7	0.29	1.1 KG/D	1.1 KG/D	NULL	*****	17	30	17	45	MG/L
20-May-2009	TSS		0.2	0.7	0.2	1.1 KG/D	1.1 KG/D	NULL	*****	12	30	12	45	MG/L
20-May-2009	TSS		0.2	0.7	0.2	1.1 KG/D	1.1 KG/D	NULL	*****	14	30	14	45	MG/L
12-Feb-2010	TSS		0.03	*****	0.04	*****	NULL	NULL	*****	3	30	4	45	MG/L
12-Mar-2010	TSS		0.04	*****	0.06	*****	NULL	NULL	*****	4	30	5	45	MG/L
12-Apr-2010	TSS		0.09	*****	0.13	*****	NULL	NULL	*****	7	30	8	45	MG/L
11-May-2010	TSS		0.05	*****	0.08	*****	NULL	NULL	*****	6	30	10	45	MG/L
11-Jun-2010	TSS		0.03	*****	0.04	*****	NULL	NULL	*****	3	30	5	45	MG/L
12-Jul-2010	TSS		0.06	*****	0.14	*****	NULL	NULL	*****	6	30	11	45	MG/L
11-Aug-2010	TSS		0.04	0.7	0.04	1.1 KG/D	1.1 KG/D	NULL	*****	4	30	4	45	MG/L
13-Sep-2010	TSS		0.02	0.7	0.02	1.1 KG/D	1.1 KG/D	NULL	*****	2	30	2	45	MG/L
12-Oct-2010	TSS		0.01	0.7	0.01	1.1 KG/D	1.1 KG/D	NULL	*****	2	30	2	45	MG/L
12-Nov-2010	TSS		0.08	0.7	0.08	1.1 KG/D	1.1 KG/D	NULL	*****	8	30	8	45	MG/L
13-Dec-2010	TSS		0.01	0.7	0.01	1.1 KG/D	1.1 KG/D	NULL	*****	3	30	3	45	MG/L
11-Jan-2011	TSS		<QL	0.7	<QL	1.1 KG/D	1.1 KG/D	NULL	*****	<QL	30	<QL	45	MG/L
11-Feb-2011	TSS		<QL	0.7	<QL	1.1 KG/D	1.1 KG/D	NULL	*****	<QL	30	<QL	45	MG/L
11-Mar-2011	TSS		0.01	0.7	0.01	1.1 KG/D	1.1 KG/D	NULL	*****	2	30	2	45	MG/L
11-Apr-2011	TSS		0.01	0.7	0.01	1.1 KG/D	1.1 KG/D	NULL	*****	2	30	2	45	MG/L
11-May-2011	TSS		0.02	0.7	0.02	1.1 KG/D	1.1 KG/D	NULL	*****	2	30	2	45	MG/L
13-Jun-2011	TSS		0.01	0.7	0.01	1.1 KG/D	1.1 KG/D	NULL	*****	3	30	3	45	MG/L
11-Jul-2011	TSS		0.08	0.7	0.08	1.1 KG/D	1.1 KG/D	NULL	*****	4	30	4	45	MG/L
11-Aug-2011	TSS		0.02	0.7	0.02	1.1 KG/D	1.1 KG/D	NULL	*****	3	30	3	45	MG/L
12-Sep-2011	TSS		0.05	0.7	0.05	1.1 KG/D	1.1 KG/D	NULL	*****	5	30	5	45	MG/L
06-Oct-2011	TSS		0.03	0.7	0.03	1.1 KG/D	1.1 KG/D	NULL	*****	3	30	3	45	MG/L
14-Nov-2011	TSS		0.05	0.7	0.05	1.1 KG/D	1.1 KG/D	NULL	*****	4	30	4	45	MG/L
12-Dec-2011	TSS		0.1	0.7	0.1	1.1 KG/D	1.1 KG/D	NULL	*****	6	30	6	45	MG/L
11-Jan-2012	TSS		0.02	0.7	0.02	1.1 KG/D	1.1 KG/D	NULL	*****	3	30	3	45	MG/L
13-Feb-2012	TSS		0.04	0.7	0.04	1.1 KG/D	1.1 KG/D	NULL	*****	2	30	2	45	MG/L
12-Mar-2012	TSS		0.1	0.7	0.1	1.1 KG/D	1.1 KG/D	NULL	*****	6	30	6	45	MG/L
11-Apr-2012	TSS		0.06	0.7	0.06	1.1 KG/D	1.1 KG/D	NULL	*****	5	30	5	45	MG/L
11-May-2012	TSS		0.03	0.7	0.03	1.1 KG/D	1.1 KG/D	NULL	*****	3	30	3	45	MG/L
11-Jun-2012	TSS		0.06	0.7	0.06	1.1 KG/D	1.1 KG/D	NULL	*****	2	30	2	45	MG/L
11-Jul-2012	TSS		0.04	0.7	0.04	1.1 KG/D	1.1 KG/D	NULL	*****	4	30	4	45	MG/L
12-Feb-2008	TSS, INFLUENT		NULL	*****	NULL	*****	NULL	NULL	*****	NULL	*****	39	NL	MG/L
13-Mar-2008	TSS, INFLUENT		NULL	*****	NULL	*****	NULL	NULL	*****	NULL	*****	9	NL	MG/L

11-Apr-2008	TSS, INFLUENT	*****	NULL	*****	NULL	*****	NULL	*****	NULL	*****	4	NL	MG/L
14-May-2008	TSS, INFLUENT	*****	NULL	*****	NULL	*****	NULL	*****	NULL	*****	9	NL	MG/L
13-Jun-2008	TSS, INFLUENT	*****	NULL	*****	NULL	*****	NULL	*****	NULL	*****	10	NL	MG/L
15-Dec-2008	TSS, INFLUENT	*****	NULL	*****	NULL	*****	NULL	*****	NULL	*****	236	NL	MG/L
14-Jan-2009	TSS, INFLUENT	*****	NULL	*****	NULL	*****	NULL	*****	NULL	*****	91	NL	MG/L
18-Feb-2009	TSS, INFLUENT	*****	NULL	*****	NULL	*****	NULL	*****	NULL	*****	166	NL	MG/L
20-May-2009	TSS, INFLUENT	*****	NULL	*****	NULL	*****	NULL	*****	NULL	*****	105	NL	MG/L
20-May-2009	TSS, INFLUENT	*****	NULL	*****	NULL	*****	NULL	*****	NULL	*****	168	NL	MG/L
20-May-2009	TSS, INFLUENT	*****	NULL	*****	NULL	*****	NULL	*****	NULL	*****	338	NL	MG/L
12-Feb-2010	TSS, INFLUENT	*****	NULL	*****	NULL	*****	NULL	*****	NULL	*****	51	NL	MG/L
12-Mar-2010	TSS, INFLUENT	*****	NULL	*****	NULL	*****	NULL	*****	NULL	*****	154	NL	MG/L
12-Apr-2010	TSS, INFLUENT	*****	NULL	*****	NULL	*****	NULL	*****	NULL	*****	125	NL	MG/L
11-May-2010	TSS, INFLUENT	*****	NULL	*****	NULL	*****	NULL	*****	NULL	*****	35	NL	MG/L
11-Jun-2010	TSS, INFLUENT	*****	NULL	*****	NULL	*****	NULL	*****	NULL	*****	228	NL	MG/L
12-Jul-2010	TSS, INFLUENT	*****	NULL	*****	NULL	*****	NULL	*****	NULL	*****	89	NL	MG/L
11-Aug-2010	TSS, INFLUENT	*****	NULL	*****	NULL	*****	NULL	*****	NULL	*****	106	NL	MG/L
13-Sep-2010	TSS, INFLUENT	*****	NULL	*****	NULL	*****	NULL	*****	NULL	*****	218	NL	MG/L
12-Oct-2010	TSS, INFLUENT	*****	NULL	*****	NULL	*****	NULL	*****	NULL	*****	514	NL	MG/L
12-Nov-2010	TSS, INFLUENT	*****	NULL	*****	NULL	*****	NULL	*****	NULL	*****	65	NL	MG/L
13-Dec-2010	TSS, INFLUENT	*****	NULL	*****	NULL	*****	NULL	*****	NULL	*****	133	NL	MG/L
11-Jan-2011	TSS, INFLUENT	*****	NULL	*****	NULL	*****	NULL	*****	NULL	*****	229	NL	MG/L
11-Feb-2011	TSS, INFLUENT	*****	NULL	*****	NULL	*****	NULL	*****	NULL	*****	62	NL	MG/L
11-Mar-2011	TSS, INFLUENT	*****	NULL	*****	NULL	*****	NULL	*****	NULL	*****	47	NL	MG/L
11-Apr-2011	TSS, INFLUENT	*****	NULL	*****	NULL	*****	NULL	*****	NULL	*****	172	NL	MG/L
11-May-2011	TSS, INFLUENT	*****	NULL	*****	NULL	*****	NULL	*****	NULL	*****	90	NL	MG/L
13-Jun-2011	TSS, INFLUENT	*****	NULL	*****	NULL	*****	NULL	*****	NULL	*****	88	NL	MG/L
11-Jul-2011	TSS, INFLUENT	*****	NULL	*****	NULL	*****	NULL	*****	NULL	*****	74	NL	MG/L
11-Aug-2011	TSS, INFLUENT	*****	NULL	*****	NULL	*****	NULL	*****	NULL	*****	146	NL	MG/L
12-Sep-2011	TSS, INFLUENT	*****	NULL	*****	NULL	*****	NULL	*****	NULL	*****	176	NL	MG/L
06-Oct-2011	TSS, INFLUENT	*****	NULL	*****	NULL	*****	NULL	*****	NULL	*****	46	NL	MG/L
14-Nov-2011	TSS, INFLUENT	*****	NULL	*****	NULL	*****	NULL	*****	NULL	*****	59	NL	MG/L
12-Dec-2011	TSS, INFLUENT	*****	NULL	*****	NULL	*****	NULL	*****	NULL	*****	138	NL	MG/L
11-Jan-2012	TSS, INFLUENT	*****	NULL	*****	NULL	*****	NULL	*****	NULL	*****	73	NL	MG/L
13-Feb-2012	TSS, INFLUENT	*****	NULL	*****	NULL	*****	NULL	*****	NULL	*****	49	NL	MG/L
12-Mar-2012	TSS, INFLUENT	*****	NULL	*****	NULL	*****	NULL	*****	NULL	*****	14	NL	MG/L
11-Apr-2012	TSS, INFLUENT	*****	NULL	*****	NULL	*****	NULL	*****	NULL	*****	53	NL	MG/L
11-May-2012	TSS, INFLUENT	*****	NULL	*****	NULL	*****	NULL	*****	NULL	*****	258	NL	MG/L
11-Jun-2012	TSS, INFLUENT	*****	NULL	*****	NULL	*****	NULL	*****	NULL	*****	28	NL	MG/L
11-Jul-2012	TSS, INFLUENT	*****	NULL	*****	NULL	*****	NULL	*****	NULL	*****	72	NL	MG/L

(Low Flow)

modout.txt

Mixing Zone Predictions for

One Stop Trailer Park

Effluent Flow = 0.0062 MGD
Stream 7Q10 = 0.008 MGD
Stream 30Q10 = 0.018 MGD
Stream 1Q10 = 0.006 MGD
Stream slope = 0.00069 ft/ft
Stream width = 5 ft
Bottom scale = 3
Channel scale = 1

Mixing Zone Predictions @ 7Q10

Depth = .0724 ft
Length = 208.77 ft
Velocity = .0607 ft/sec
Residence Time = .0398 days

Recommendation:

A complete mix assumption is appropriate for this situation and the entire 7Q10 may be used.

Mixing Zone Predictions @ 30Q10

Depth = .1002 ft
Length = 158.21 ft
Velocity = .0748 ft/sec
Residence Time = .0245 days

Recommendation:

A complete mix assumption is appropriate for this situation and the entire 30Q10 may be used.

Mixing Zone Predictions @ 1Q10

Depth = .0661 ft
Length = 225.73 ft
Velocity = .0572 ft/sec
Residence Time = 1.0971 hours

Recommendation:

A complete mix assumption is appropriate for this situation providing no more than 91.15% of the 1Q10 is used.

Virginia DEQ Mixing Zone Analysis Version 2.1

(High Flow

modout.txt

Mixing Zone Predictions for

One Stop Trailer Park

Effluent Flow = 0.0062 MGD
Stream 7Q10 = 0.0858 MGD
Stream 30Q10 = 0.1471 MGD
Stream 1Q10 = 0.0601 MGD
Stream slope = 0.00069 ft/ft
Stream width = 5 ft
Bottom scale = 3
Channel scale = 1

Mixing Zone Predictions @ 7Q10

Depth = .2276 ft
Length = 77.35 ft
Velocity = .1252 ft/sec
Residence Time = .0072 days

Recommendation:

A complete mix assumption is appropriate for this situation and the entire 7Q10 may be used.

Mixing Zone Predictions @ 30Q10

Depth = .3129 ft
Length = 58.13 ft
Velocity = .1516 ft/sec
Residence Time = .0044 days

Recommendation:

A complete mix assumption is appropriate for this situation and the entire 30Q10 may be used.

Mixing Zone Predictions @ 1Q10

Depth = .1857 ft
Length = 92.62 ft
Velocity = .1105 ft/sec
Residence Time = .2329 hours

Recommendation:

A complete mix assumption is appropriate for this situation and the entire 1Q10 may be used.

Virginia DEQ Mixing Zone Analysis Version 2.1

7/30/2012 2:05:34 PM

Facility = One Stop Trailer Park
Chemical = Ammonia (Jun - Nov)
Chronic averaging period = 30
WLAa = 11
WLAc = 4.4
Q.L. = 0.1
samples/mo. = 1
samples/wk. = 1

Summary of Statistics:

observations = 1
Expected Value = 9
Variance = 29.16
C.V. = 0.6
97th percentile daily values = 21.9007
97th percentile 4 day average = 14.9741
97th percentile 30 day average = 10.8544
< Q.L. = 0
Model used = BPJ Assumptions, type 2 data

A limit is needed based on Chronic Toxicity
Maximum Daily Limit = 8.87774841103177
Average Weekly limit = 8.87774841103177
Average Monthly Limit = 8.87774841103177

The data are:

7/30/2012 2:03:51 PM

Facility = One Stop Trailer Park
Chemical = Ammonia (Dec - May)
Chronic averaging period = 30
WLAa = 72
WLAc = 51
Q.L. = 0.1
samples/mo. = 1
samples/wk. = 1

Summary of Statistics:

observations = 1
Expected Value = 9
Variance = 29.16
C.V. = 0.6
97th percentile daily values = 21.9007
97th percentile 4 day average = 14.9741
97th percentile 30 day average = 10.8544
< Q.L. = 0
Model used = BPJ Assumptions, type 2 data

No Limit is required for this material

The data are:

7/30/2012 2:33:42 PM

Facility = One Stop Trailer Park

Chemical = Chlorine

Chronic averaging period = 4

WLAa = 0.036

WLAc = 0.025

Q.L. = .1

samples/mo. = 28

samples/wk. = 7

Summary of Statistics:

observations = 1

Expected Value = .2

Variance = .0144

C.V. = 0.6

97th percentile daily values = .486683

97th percentile 4 day average = .332758

97th percentile 30 day average = .241210

< Q.L. = 0

Model used = BPJ Assumptions, type 2 data

A limit is needed based on Acute Toxicity

Maximum Daily Limit = 0.036

Average Weekly limit = 0.021985459443073

Average Monthly Limit = 1.79493540338628E-02

The data are:

0.2

MEMORANDUM

State Water Control Board

2111 North Hamilton Street

P. O. Box 11143

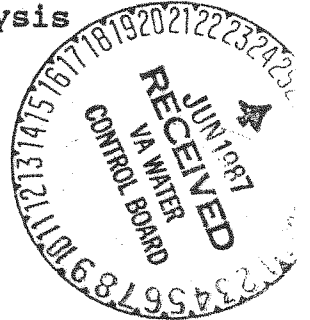
Richmond, VA. 23230

SUBJECT: Luckett's Trailer Park STP Discharge Stream Analysis

TO: Dale Phillips, OERS ✓

FROM: Steve Crowther, NRO

DATE: June 19, 1987



Luckett's Trailer Court STP is an existing discharge to Clark's Run in Loudoun County. The NPDES permit application indicates that the requested design flow is 0.0062 MGD which does not constitute an expansion. The facility is currently a poorly maintained lagoon with no preliminary headworks of any type, no flow monitoring, and no chlorination equipment. Renovation of the facility will be necessary. The Q7-10 for the receiving stream at the discharge point is approximately .007 MGD and the slope is 30 feet/mile. The stream has been modeled to maintain a 5.0 mg/l dissolved oxygen value. The modeling results indicate that the NPDES permit should include effluent limits of:

BOD₅ = 30 mg/l

D.O. = 5.0 mg/l

If you have any questions, please give me a call

RECEIVED

JUN 30 1987

SC:cm

BY
NORTHERN REGIONAL
OFFICE

OK MOP 6-26-87

MEMORANDUM

State Water Control Board

2111 North Hamilton Street

P. O. Box 11143

Richmond, VA. 23230

SUBJECT: Lockett's Trailer Park STP Discharge Stream Analysis

TO: Dale Phillips, OERS

FROM: Steve Crowther, NRO 

DATE: June 19, 1987

Lockett's Trailer Court STP is an existing discharge to Clark's Run in Loudoun County. The NPDES permit application indicates that the requested design flow is 0.0062 MGD which does not constitute an expansion. The facility is currently a poorly maintained lagoon with no preliminary headworks of any type, no flow monitoring, and no chlorination equipment. Renovation of the facility will be necessary. The Q7-10 for the receiving stream at the discharge point is approximately .007 MGD and the slope is 30 feet/mile. The stream has been modeled to maintain a 5.0 mg/l dissolved oxygen value. The modeling results indicate that the NPDES permit should include effluent limits of:

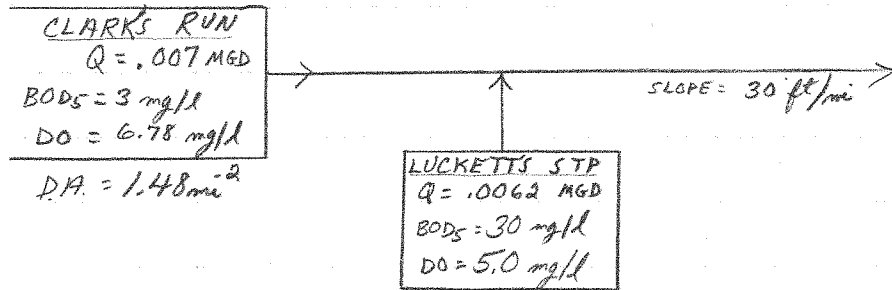
$BOD_5 = 30 \text{ mg/l}$

$D.O. = 5.0 \text{ mg/l}$

If you have any questions, please give me a call.

SC:cm

Lockett's Trailer Park STP / Loudoun County



Stream Gage Data : Goose Creek, near Leesburg VA

$$Q_{7-10} = 2.3 \text{ cfs}$$

$$DA = 332 \text{ sq. mi.}$$

$$\frac{.007 \text{ cfs}}{\text{mi}^2} \times 1.48 \text{ mi}^2 = \frac{.01036}{1.547} = .007 \text{ MGD}$$

Luchetti Trailer Park

Assume STP : $BOD_5 = 30 \text{ mg/l}$

$DO = 5.0 \text{ mg/l}$

$Q = .0062 \text{ MGD}$

Stream : $BOD_5 = 3 \text{ mg/l}$

$Q = .007 \text{ MGD}$

DO (calculated)

$$BOD_y = \frac{75(.0062) + 75(.007)}{.0132} = \frac{.465 + .052}{.0132} = 39.16 \text{ mg/l}$$

$$K_1 \text{ based on } BOD_5 = 15.6 = .172 (1.047)^{10} = .272$$

$$DO_{SAT} = 7.6 (1 - .00003 (300 \text{ ft})) \\ = 7.53$$

elevation = 300 feet

$$90\% DO_{SAT} = 6.78 \text{ mg/l}$$

$$DO_s = \frac{5.0(.0062) + 6.78(.007)}{.0132} = \frac{.042 + .047}{.0132} = 5.95 \text{ mg/l}$$

$$Da = 7.53 - 5.95 = 1.58$$

$$K_m = 0$$

K_2 : Using Tsienglou / Wallace equation:

slope $\approx 30 \text{ ft/mi.}$

$v = .25 \text{ ft/sec}$

$$K_2 = \sqrt{4235.36 \text{ US}} \\ = (4235.36)(.25)(30)(5280^{-1}) = 6$$

$$\text{or, } K_2 = (.025)(24)(30) = 18$$

$$K_2 \text{ AVG} = \frac{(6 + 18)}{2} = 12$$

$$K_2 = 12 (1.024)^{10} = 15.2 \text{ corrected}$$

$$\text{Time} = \frac{4329.6}{.25 \text{ ft/s}} = .200 \text{ day}$$

ASSUME STP:

DO = 5.0

BOD5 =

	30	30	30	30
IFTER MIX)				
↳ BOD _u	39.16	39.16	39.16	39.16
NOD _u	0	0	0	0
D _a	1.58	1.58	1.58	1.58
K ₁	.272	.544	.272	.544
K _m	0	0	0	0
K ₂	15.2	15.2	7.6	7.6
STEP	.04	→		
DO _{SAT}	7.53	→		
DO _{90%}	6.78	→		
t (day)	.2	.2	.2	.2
DO _{SAG}	6.35	6.03	5.99	NO SAG
DO _{END}	6.81	6.22	6.12	5.14 * → SAG at t = .28 of 5.10
Sensitivity	As calculated	Double K ₁	Halve K ₂	Double K ₁ and Halve K ₂
Acceptable	✓	✓	✓	✓

Modeled to maintain water quality standard of 5.0 mg/l.

Public Notice – Environmental Permit

PURPOSE OF NOTICE: To seek public comment on a draft permit from the Department of Environmental Quality that will allow the release of treated wastewater into a water body in Loudoun County, Virginia.

PUBLIC COMMENT PERIOD: November 29, 2012 to 5:00 p.m. on December 28, 2012

PERMIT NAME: Virginia Pollutant Discharge Elimination System Permit – Wastewater issued by DEQ, under the authority of the State Water Control Board

APPLICANT NAME, ADDRESS AND PERMIT NUMBER: Gurcharan S. Lail
14425 James Monroe Highway
Leesburg, VA 20175
VA0074934

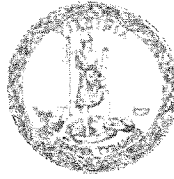
NAME AND ADDRESS OF FACILITY: One Stop Trailer Park
14425 James Monroe Highway
Leesburg, VA 20175

PROJECT DESCRIPTION: Gurcharan S. Lail has applied for a reissuance of a permit for the private One Stop Trailer Park. The applicant proposes to release treated sewage wastewaters from residential areas and a convenience store/gas station at a rate of 0.0062 million gallons per day into a water body. Sludge from the treatment process will be transported to the Broad Run Water Reclamation Facility (VA0091383) for further treatment and disposal. The facility proposes to release the treated sewage in the Clarks Run in Loudoun County in the Potomac River watershed. A watershed is the land area drained by a river and its incoming streams. The permit will limit the following pollutants to amounts that protect water quality: pH, Biochemical Oxygen Demand, Total Suspended Solids, Ammonia as N, Oil & Grease, E. coli and Chlorine.

HOW TO COMMENT AND/OR REQUEST A PUBLIC HEARING: DEQ accepts comments and requests for public hearing by e-mail, fax or postal mail. All comments and requests must be in writing and be received by DEQ during the comment period. Submittals must include the names, mailing addresses and telephone numbers of the commenter/requester and of all persons represented by the commenter/requester. A request for public hearing must also include: 1) The reason why a public hearing is requested. 2) A brief, informal statement regarding the nature and extent of the interest of the requester or of those represented by the requester, including how and to what extent such interest would be directly and adversely affected by the permit. 3) Specific references, where possible, to terms and conditions of the permit with suggested revisions. A public hearing may be held, including another comment period, if public response is significant, based on individual requests for a public hearing, and there are substantial, disputed issues relevant to the permit.

CONTACT FOR PUBLIC COMMENTS, DOCUMENT REQUESTS AND ADDITIONAL INFORMATION: The public may review the documents at the DEQ-Northern Regional Office by appointment or may request electronic copies of the draft permit and fact sheet.

Name: Douglas Frasier
Address: DEQ-Northern Regional Office, 13901 Crown Court, Woodbridge, VA 22193
Phone: (703) 583-3873 Email: Douglas.Frasier@deq.virginia.gov Fax: (703) 583-3821



COMMONWEALTH of VIRGINIA

DEPARTMENT OF ENVIRONMENTAL QUALITY

NORTHERN REGIONAL OFFICE

13901 Crown Court, Woodbridge, Virginia 22193

(703) 583-3800 Fax (703) 583-3801

www.deq.virginia.gov

L. Preston Bryant, Jr.
Secretary of Natural Resources

David K. Paylor
Director

STATE WATER CONTROL BOARD ENFORCEMENT ACTION SPECIAL ORDER BY CONSENT ISSUED TO GURCHARAN LAIL FOR ONE STOP TRAILER PARK

(VPDES PERMIT NO. VA0074934)

SECTION A: Purpose

This is a Consent Special Order issued under the authority of Va. Code §§62.1-44.15(8a) and (8d), and 10.1-1185 between the State Water Control Board and Gurcharan Lail regarding the One Stop Trailer Park Sewage Treatment Plant, for the purpose of resolving certain violations of the State Water Control law and regulations.

SECTION B: Definitions

Unless the context clearly indicates otherwise, the following words and terms have the meaning assigned to them below:

1. "Va. Code" means the Code of Virginia (1950), as amended.
2. "Board" means the State Water Control Board, a permanent citizens' board of the Commonwealth of Virginia as described in Va. Code §§62.1-44.7 and 10.1-1184.
3. "Department" or "DEQ" means the Department of Environmental Quality, an agency of the Commonwealth of Virginia as described in Va. Code § 10.1-1183.
4. "Director" means the Director of the Department of Environmental Quality.
5. "Order" means this document, also known as a Consent Special Order.
6. "One Stop" means One Stop Trailer Park located at 14425 James Monroe Highway, in Leesburg Virginia which is located in Loudoun County.

7. "STP" means the One Stop Trailer Park Sewage Treatment Plant located in Loudoun County, Virginia.
8. "NRO" means the Northern Regional Office of DEQ, located in Woodbridge, Virginia.
9. "Permit" means Virginia Pollutant Discharge Elimination Permit System (VPDES) Permit No. VA0074934.
10. "BOD₅" means Biochemical Oxygen Demand.
11. "TSS" means Total Suspended Solids.
12. "DO" means Dissolved Oxygen
13. "NOV" means Notice of Violation.
14. "WL" means Warning Letter.

SECTION C: Findings of Fact and Conclusions of Law

1. Gurcharan Lail owns One Stop Trailer Park located in Loudoun County, Virginia. The STP serves the Trailer Park and associated gas station store and kitchen. This facility is the subject of VPDES Permit No. VA0074934, which authorizes One Stop to discharge to Clarks Run. The STP's final effluent flows through an underground pipe from the STP several hundred yards north of the plant and discharges to Clarks Run.
2. One Stop Trailer Park has experienced violations of regulatory requirements including violations for exceeding permit effluent limitations as determined from samples taken by DEQ staff while inspecting the facility in April and September of 2007. These violations are referenced in the following WLs and NOV's sent by DEQ to Gurcharn Lail :
 - WL No. W2007-05-N-1012 citing late submittal of the March 2007 DMR
 - WL No. W2007-05-N-1020 citing exceedances of the monthly and weekly concentration average maximum for BOD₅ as reported on the March 2007 DMR, exceedances of the monthly and weekly concentration average maximum for BOD₅ as determined from samples taken on the April 2007 inspection, exceedances of the monthly concentration average limit for TSS as reported in the March 2007 DMR, and exceedances of the monthly concentration average limit for TSS as determined from samples taken during the April 2007 inspection.
 - WL No. W2007-07-N-1015 citing exceedances of the monthly and weekly concentration average maximum limit for BOD₅ as reported on the May 2007 DMR, late submittal of the May 2007 DMR and failure to submit a

letter of explanation for the BOD₅ exceedance on the May 2007 DMR, late submittal of permit renewal application, exceedances of the monthly concentration average limit for BOD₅ as reported in the March 2007 DMR, the weekly concentration average limit for TSS as reported in the March 2007 DMR, and the minimum limit for DO as noted during the April 19, 2007 inspection.

- NOV No. W2007-08-N-0005 citing late submittal of the permit renewal application.
- NOV No. W2007-09-N-0008 citing late submittal of the permit renewal application.
- NOV No. W2007-09-N-0013 citing failure to meet the minimum DO concentration, exceedances of the average and maximum concentration for ammonia, the average and maximum concentration for BOD₅, and the average concentration for TSS during the month of September 2007 and violation of Section H of the Permit as evidenced by an unusual and unauthorized discharge witnessed by DEQ staff during the September 6, 2007 inspection.
- NOV Nos. W2008-06-N-0004, W2008-07-N-0008, W2008-08-N-0004, W2008-09-N-0002, W2008-10-N-0003, W2008-11-N-0003, W2008-12-N-0005, W2009-01-N-0007, W2009-02-N-0006, W2009-03-N-0001, W2009-04-N-0007, W2009-05-N-0008 citing that an updated copy of the Operations and Maintenance Manual for the Facility was due to DEQ by April 1, 2008, and not received by DEQ. DEQ received notice on March 24, 2009 from the facility's consultant, that the facility owner had signed a contract with the consultant to complete the O&M. The O&M was received by DEQ on June 22, 2009.
- NOV No. W2008-08-N-0006 citing violation of Part II Section D of the Facility's Permit for failure to furnish to the Department within a reasonable time requested information regarding laboratory documentation, and a written progress report addressing items addressed in the technical summary of the June 24, 2008 DEQ inspection report. The former was due to DEQ by July 10, 2008, and the latter by July 25, 2008. This information was received by DEQ in December, 2008.
- NOV Nos. W2008-09-N-0002, W2008-N-0003, W2008-11-N-0003, and W2008-12-N-2005, citing failure to submit Discharge Monitoring Reports for June 2008, July 2008, August 2008, September 2008, and October 2008. The June, July, August, and September 2008 Discharge Monitoring Reports were received by DEQ on December 12, 2008, and the October 2008 Discharge Monitoring Report was received by DEQ on December 15, 2008.
- NOV No. W2009-01-N-0007, citing the facility's failure to monitor for Influent BOD₅, Influent TSS, Influent Oil and Grease, Effluent Oil and

Grease, and Ammonia as Nitrogen (June - November) for the October 2008 monitoring period, and the facility's failure to report the result for the monthly concentration average and weekly concentration average maximum for Ammonia as Nitrogen for the November 2008 monitoring period.

- NOV Nos. W2009-03-N-0001, W2009-04-N-0007, and W2009-05-N-0008, citing failure to submit Discharge Monitoring Reports for January 2009, February 2009, March 2009, and April 2009. The January 2009 Discharge Monitoring Report was received by DEQ on February 18, 2009. The March 2009 Discharge Monitoring Report was received by DEQ on May 20, 2009. The February and March 2009 Discharge Monitoring Reports were received by DEQ on May 20, 2009.
 - NOV Nos. W2008-11-N-0003, W2008-12-N-0005, W2009-01-N-0007, W2009-02-N-0006, W2009-03-N-0001, and W2009-04-N-0007 citing failure to submit required financial responsibility information to DEQ by September 16, 2008. Complete financial responsibility information was received by DEQ on March 11, 2009.
 - NOV No. W2009-02-N-0010 citing violation of VPDES Permit No. VA0074934 Part II, Page 7, Section W for denial of entry for failing to allow DEQ to inspect the facility at reasonable times.
 - NOV No. W2009-05-N-0012 citing violation for the minimum limit of DO as a result of analysis conducted by a DEQ inspector on May 13, 2009, violation of Part I, Page 4, Section C, of the facility's permit for Operating without a licensed operator from April 30, 2009 to May 16, 2009, and violation of Part II, Page 6, Section Q 1 of the facility's permit for failing to properly operate and maintain the plant as evidenced by septic conditions noted at the plant by a DEQ inspector on May 13, 2009.
4. DEQ staff conducted an inspection of One Stop Trailer Park STP on September 6, 2007 and collected samples of the effluent. DEQ staff noted that the water in Clark's Run downstream from the discharge pipe was very cloudy and there was a strong sewage smell. DEQ staff informed a representative of One Stop Trailer Park, who subsequently called the operator. The operator drove out to the site and it was determined that the cause of the problem had been grease entering the plant and clogging the influent line to one side of the STP resulting in all the flow going to the other side of the STP. While DEQ staff was still onsite, the operator unclogged the influent line and remedied the problem. This incident resulted in a violation for an unusual discharge, as well as permit effluent violations for DO, TSS and BOD₅. Va. Code§ 62.1 -44.5, and 9 VAC 25-31-50 indicate that it is illegal to discharge, except in compliance with a required Permit.

SECTION D: Agreement and Order

Accordingly, by virtue of the authority granted it in Va. Code § 62.1-44.15 8(a) and 8(d), the Board orders Gurcharan Lail, and Gurcharan Lail, agrees to:

1. Perform the actions described in Appendix A of this Order; and
2. Pay a civil charge of \$29,419.00 in settlement of the violations cited in this Order.
Payments shall be made on the following dates:

1st Payment of \$4,903.17 shall be paid on or before 30 days of the effective date of this Order.

2nd Payment of \$4,903.17 shall be paid on or before 60 days of the effective date of this Order.

3rd Payment of \$4,903.17 shall be paid on or before 90 days of the effective date of this Order.

4th Payment of \$4,903.17 shall be paid on or before 120 days of the effective date of this Order.

5th Payment of \$4,903.16 shall be paid on or before 150 days of the effective date of this Order.

6th Payment of \$4,903.16 shall be paid on or before 180 days of the effective date of this Order.

Payment shall be made by check, certified check, money order or cashier's check payable to the "Treasurer of Virginia," and delivered to:

Receipts Control
Department of Environmental Quality
Post Office Box 1104
Richmond, Virginia 23218

The payment shall include Gurcharan Lail's name and indicate that the payment is being made in accordance with the requirements of this Order for deposit into the Virginia Environmental Emergency Response Fund (VEERF).

SECTION E: Administrative Provisions

1. The Board may modify, rewrite, or amend this Order with the consent of Gurcharan Lail for good cause shown by Gurcharan Lail or on its own motion pursuant to the Administrative Process Act after notice and opportunity to be heard.
2. This Order addresses and resolves only those violations specifically identified in Section C of this Order. This Order shall not preclude the Board or the Director from taking any action authorized by law, including but not limited to: (1) taking any action authorized by law regarding any additional, subsequent, or subsequently discovered violations; (2) seeking subsequent remediation of the facility; or (3) taking subsequent action to enforce the Order.

3. For purposes of this Order and subsequent actions with respect to this Order only, Gurcharan Lail admits the jurisdictional allegations, findings of fact, and conclusions of law contained herein.
4. Gurcharan Lail consents to venue in the Circuit Court of the City of Richmond for any civil action taken to enforce the terms of this Order.
5. Gurcharan Lail declares he has received fair and due process under the Administrative Process Act, Va. Code §§ 2.2-4000 *et seq.*, and the State Water Control Law, and they waive their right to any hearing or other administrative proceeding authorized or required by law or regulation, and to any judicial review of any issue of fact or law contained herein. Nothing herein shall be construed as a waiver of the right to any administrative proceeding for, or to judicial review of, any action taken by the Board to enforce this Order.
6. Failure by Gurcharan Lail to comply with any of the terms of this Order shall constitute a violation of an order of the Board. Nothing herein shall waive the initiation of appropriate enforcement actions or the issuance of additional orders as appropriate by the Board or the Director as a result of such violations. Nothing herein shall affect appropriate enforcement actions by any other federal, state, or local regulatory authority.
7. If any provision of this Order is found to be unenforceable for any reason, the remainder of the Order shall remain in full force and effect.
8. Gurcharan Lail shall be responsible for failure to comply with any of the terms and conditions of this Order unless compliance is made impossible by earthquake, flood, other acts of God, war, strike, or such other occurrence. Gurcharan Lail shall show that such circumstances were beyond his control and not due to a lack of good faith or diligence on his part. Gurcharan Lail shall notify the DEQ Regional Director verbally within 24 hours and in writing within three business days when circumstances are anticipated to occur, are occurring, or have occurred that may delay compliance or cause noncompliance with any requirement of the Order. Such notice shall set forth:
 - a. the reasons for the delay or noncompliance;
 - b. the projected duration of any such delay or noncompliance;
 - c. the measures taken and to be taken to prevent or minimize such delay or noncompliance; and
 - d. the timetable by which such measures will be implemented and the date full compliance will be achieved.

Failure to so notify the Regional Director verbally within 24 hours and in writing within three business days, of learning of any condition above, which Gurcharan intends to assert will result in the impossibility of compliance, shall constitute a waiver of any claim to inability to comply with a requirement of this Order.

9. This Order is binding on the parties hereto, their successors in interest, designees and assigns, jointly and severally.
10. This Order shall become effective upon execution by both the Director or his designee and Gurcharan Lail. Nevertheless, Gurcharan Lail agree to be bound by any compliance date which precedes the effective date of this Order.
11. This Order shall continue in effect until:
 - (a) Gurcharan Lail petition the Director or his designee to terminate the Order after they have completed all of the requirements of the Order and the Director or his designee approves the termination of the Order; or
 - (b) the Director or Board terminates the Order in his or its sole discretion upon 30 days' written notice to Gurcharan Lail.

Termination of this Order, or any obligation imposed in this Order, shall not operate to relieve Gurcharan Lail from his obligation to comply with any statute, regulation, permit condition, other order, certificate, certification, standard, or requirement otherwise applicable.

12. Any plans, reports schedules, or specifications attached hereto or submitted by Gurcharan Lail and approved by the Department pursuant to this Order are incorporated into this Order. Any non-compliance with such approved documents shall be considered a violation of this Order.
13. This Order constitutes the entire agreement and understanding of the parties Concerning settlement of the violations identified in Section C of this Order, and there are no representations, warranties, covenants, terms or conditions agreed upon between the parties other than those expressed in the Order.
14. By its signature below, Gurcharan Lail voluntarily agrees to the issuance of this Order.

And it is so ORDERED this day of 14th December, 2009.



Thomas A. Faha, NRO Regional Director
Department of Environmental Quality

Mr. Gurcharan Lail voluntarily agrees to the issuance of this Order.

Date: 08/19/09 By: *Gurcharan Lail*
(Gurcharan Lail)

Commonwealth of Virginia

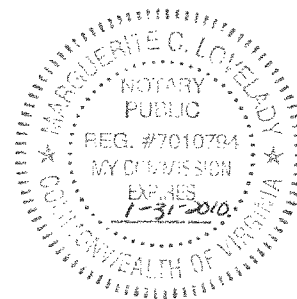
City/County of Winchester

The foregoing document was signed and acknowledged before me this 19th day of
August, 2009, by Gurcharan Lail.

Marguerite C. Lovelady
Notary Public
7010794
Registration No.

My commission expires: 1-31-2010

Notary seal:



APPENDIX A

1. Inboden Environmental Services, Inc. submitted a professional engineering evaluation and a schedule for completion of all recommended repairs and upgrades at the STP, including repairs relating to safety and OSHA requirements to DEQ on behalf of Gurcharan Lail on July 17, 2009. Said schedule and recommendations shall become an enforceable part of this Order.
2. There shall be no discharge from the STP until completion of all items noted in the DEQ approved schedule. In order to prevent a discharge from the STP, Gurcharan Lail shall pump and haul One Stop's wastewater to an off-site sewage treatment plant. While the STP is on pump and haul, a DMR indicating that there is no discharge at the STP shall be submitted to DEQ by the 10th day of each month.
3. Prior to commencement of discharge from the STP, the upgrade design engineer, Inboden Environmental Services, Inc., shall submit to DEQ a statement that the upgrades at the STP have been made and completed in accordance with the engineering evaluation, and are sufficient to meet permit effluent limits.
4. Gurcharan Lail shall ensure that DEQ is able to inspect any day from 8am to 8pm, the facility, equipment (including monitoring and control equipment), practices, or operations regulated or required under VPDES Permit No. VA0074934.
5. Within 10 days of acquiring at least a Class IV licensed operator to operate the Plant, Gurcharan Lail shall provide proof of a signed contract to DEQ. Said licensed operator shall be contracted to begin operation of the STP no later than August 1, 2009. Gurcharan Lail shall ensure that the STP is operated by a licensed operator at all times during the life of this Order.
6. Gurcharan Lail shall submit a complete Operation and Maintenance (O&M) Manual that reflects the upgrades completed under the schedule referenced in paragraph one above, and any changes in practices and procedures at the STP necessitated by the upgrade to DEQ, for review and approval, within 90 days of completion of said upgrade.
7. Beginning upon commencement of discharge at the STP, and lasting for the following 6 consecutive months, the sampling frequency at the STP for the following parameters shall be increased to the following:

Parameter	Frequency
Effluent TSS	1/D (Daily)
Effluent BOD	1/W (Weekly)
NH3-N (January –December)	1/W (Weekly)
E. Coli (10am – 4pm)	1/W (Weekly)

**State "Transmittal Checklist" to Assist in Targeting
Municipal and Industrial Individual NPDES Draft Permits for Review**

Part I. State Draft Permit Submission Checklist

In accordance with the MOA established between the Commonwealth of Virginia and the United States Environmental Protection Agency, Region III, the Commonwealth submits the following draft National Pollutant Discharge Elimination System (NPDES) permit for Agency review and concurrence.

Facility Name:	One Stop Trailer Park
NPDES Permit Number:	VA0074934
Permit Writer Name:	Douglas Frasier
Date:	3 October 2012

Major []

Minor [X]

Industrial []

Municipal [X]

I.A. Draft Permit Package Submittal Includes:

	Yes	No	N/A
1. Permit Application?	X		
2. Complete Draft Permit (for renewal or first time permit – entire permit, including boilerplate information)?	X		
3. Copy of Public Notice?	X		
4. Complete Fact Sheet?	X		
5. A Priority Pollutant Screening to determine parameters of concern?		X	
6. A Reasonable Potential analysis showing calculated WQBELs?	X		
7. Dissolved Oxygen calculations?	X		
8. Whole Effluent Toxicity Test summary and analysis?			X
9. Permit Rating Sheet for new or modified industrial facilities?			X

I.B. Permit/Facility Characteristics

	Yes	No	N/A
1. Is this a new, or currently unpermitted facility?		X	
2. Are all permissible outfalls (including combined sewer overflow points, non-process water and storm water) from the facility properly identified and authorized in the permit?	X		
3. Does the fact sheet or permit contain a description of the wastewater treatment process?	X		
4. Does the review of PCS/DMR data for at least the last 3 years indicate significant non-compliance with the existing permit?		X	
5. Has there been any change in streamflow characteristics since the last permit was developed?		X	
6. Does the permit allow the discharge of new or increased loadings of any pollutants?		X	
7. Does the fact sheet or permit provide a description of the receiving water body(s) to which the facility discharges, including information on low/critical flow conditions and designated/existing uses?	X		
8. Does the facility discharge to a 303(d) listed water?		X	
a. Has a TMDL been developed and approved by EPA for the impaired water?			X
b. Does the record indicate that the TMDL development is on the State priority list and will most likely be developed within the life of the permit?			X
c. Does the facility discharge a pollutant of concern identified in the TMDL or 303(d) listed water?			X
9. Have any limits been removed, or are any limits less stringent, than those in the current permit?	X		
10. Does the permit authorize discharges of storm water?		X	

I.B. Permit/Facility Characteristics – cont.

	Yes	No	N/A
11. Has the facility substantially enlarged or altered its operation or substantially increased its flow or production?		X	
12. Are there any production-based, technology-based effluent limits in the permit?	X		
13. Do any water quality-based effluent limit calculations differ from the State's standard policies or procedures?		X	
14. Are any WQBELs based on an interpretation of narrative criteria?	X		
15. Does the permit incorporate any variances or other exceptions to the State's standards or regulations?		X	
16. Does the permit contain a compliance schedule for any limit or condition?		X	
17. Is there a potential impact to endangered/threatened species or their habitat by the facility's discharge(s)?	X		
18. Have impacts from the discharge(s) at downstream potable water supplies been evaluated?	X		
19. Is there any indication that there is significant public interest in the permit action proposed for this facility?		X	
20. Have previous permit, application, and fact sheet been examined?	X		

Part II. NPDES Draft Permit Checklist

Region III NPDES Permit Quality Checklist – for POTWs (To be completed and included in the record only for POTWs)

II.A. Permit Cover Page/Administration

	Yes	No	N/A
1. Does the fact sheet or permit describe the physical location of the facility, including latitude and longitude (not necessarily on permit cover page)?	X		
2. Does the permit contain specific authorization-to-discharge information (from where to where, by whom)?	X		

II.B. Effluent Limits – General Elements

	Yes	No	N/A
1. Does the fact sheet describe the basis of final limits in the permit (e.g., that a comparison of technology and water quality-based limits was performed, and the most stringent limit selected)?	X		
2. Does the fact sheet discuss whether “antibacksliding” provisions were met for any limits that are less stringent than those in the previous NPDES permit?	X		

II.C. Technology-Based Effluent Limits (POTWs)

	Yes	No	N/A
1. Does the permit contain numeric limits for <u>ALL</u> of the following: BOD (or alternative, e.g., CBOD, COD, TOC), TSS, and pH?	X		
2. Does the permit require at least 85% removal for BOD (or BOD alternative) and TSS (or 65% for equivalent to secondary) consistent with 40 CFR Part 133?	X		
a. If no, does the record indicate that application of WQBELs, or some other means, results in more stringent requirements than 85% removal or that an exception consistent with 40 CFR 133.103 has been approved?			X
3. Are technology-based permit limits expressed in the appropriate units of measure (e.g., concentration, mass, SU)?	X		
4. Are permit limits for BOD and TSS expressed in terms of both long term (e.g., average monthly) and short term (e.g., average weekly) limits?	X		
5. Are any concentration limitations in the permit less stringent than the secondary treatment requirements (30 mg/l BOD5 and TSS for a 30-day average and 45 mg/l BOD5 and TSS for a 7-day average)?		X	
a. If yes, does the record provide a justification (e.g., waste stabilization pond, trickling filter, etc.) for the alternate limitations?			X

II.D. Water Quality-Based Effluent Limits

	Yes	No	N/A
1. Does the permit include appropriate limitations consistent with 40 CFR 122.44(d) covering State narrative and numeric criteria for water quality?	X		
2. Does the fact sheet indicate that any WQBELs were derived from a completed and EPA approved TMDL?			X
3. Does the fact sheet provide effluent characteristics for each outfall?	X		
4. Does the fact sheet document that a “reasonable potential” evaluation was performed?	X		
a. If yes, does the fact sheet indicate that the “reasonable potential” evaluation was performed in accordance with the State’s approved procedures?	X		
b. Does the fact sheet describe the basis for allowing or disallowing in-stream dilution or a mixing zone?	X		
c. Does the fact sheet present WLA calculation procedures for all pollutants that were found to have “reasonable potential”?	X		
d. Does the fact sheet indicate that the “reasonable potential” and WLA calculations accounted for contributions from upstream sources (i.e., do calculations include ambient/background concentrations)?		X	
e. Does the permit contain numeric effluent limits for all pollutants for which “reasonable potential” was determined?	X		

II.D. Water Quality-Based Effluent Limits – cont.	Yes	No	N/A
5. Are all final WQBELs in the permit consistent with the justification and/or documentation provided in the fact sheet?	X		
6. For all final WQBELs, are BOTH long-term AND short-term effluent limits established?	X		
7. Are WQBELs expressed in the permit using appropriate units of measure (e.g., mass, concentration)?	X		
8. Does the record indicate that an “antidegradation” review was performed in accordance with the State’s approved antidegradation policy?	X		

II.E. Monitoring and Reporting Requirements	Yes	No	N/A
1. Does the permit require at least annual monitoring for all limited parameters and other monitoring as required by State and Federal regulations?	X		
a. If no, does the fact sheet indicate that the facility applied for and was granted a monitoring waiver, AND, does the permit specifically incorporate this waiver?			
2. Does the permit identify the physical location where monitoring is to be performed for each outfall?		X	
3. Does the permit require at least annual influent monitoring for BOD (or BOD alternative) and TSS to assess compliance with applicable percent removal requirements?		X	
4. Does the permit require testing for Whole Effluent Toxicity?		X	


II.F. Special Conditions	Yes	No	N/A
1. Does the permit include appropriate biosolids use/disposal requirements?			X
2. Does the permit include appropriate storm water program requirements?			X

II.F. Special Conditions – cont.	Yes	No	N/A
3. If the permit contains compliance schedule(s), are they consistent with statutory and regulatory deadlines and requirements?			X
4. Are other special conditions (e.g., ambient sampling, mixing studies, TIE/TRE, BMPs, special studies) consistent with CWA and NPDES regulations?			X
5. Does the permit allow/authorize discharge of sanitary sewage from points other than the POTW outfall(s) or CSO outfalls [i.e., Sanitary Sewer Overflows (SSOs) or treatment plant bypasses]?		X	
6. Does the permit authorize discharges from Combined Sewer Overflows (CSOs)?		X	
a. Does the permit require implementation of the “Nine Minimum Controls”?			X
b. Does the permit require development and implementation of a “Long Term Control Plan”?			X
c. Does the permit require monitoring and reporting for CSO events?			X
7. Does the permit include appropriate Pretreatment Program requirements?			X

II.G. Standard Conditions		Yes	No	N/A
1. Does the permit contain all 40 CFR 122.41 standard conditions or the State equivalent (or more stringent) conditions?		X		
List of Standard Conditions – 40 CFR 122.41				
Duty to comply	Property rights	Reporting Requirements		
Duty to reapply	Duty to provide information	Planned change		
Need to halt or reduce activity	Inspections and entry	Anticipated noncompliance		
not a defense	Monitoring and records	Transfers		
Duty to mitigate	Signatory requirement	Monitoring reports		
Proper O & M	Bypass	Compliance schedules		
Permit actions	Upset	24-Hour reporting		
		Other non-compliance		
2. Does the permit contain the additional standard condition (or the State equivalent or more stringent conditions) for POTWs regarding notification of new introduction of pollutants and new industrial users [40 CFR 122.42(b)]?		X		

Part III. Signature Page

Based on a review of the data and other information submitted by the permit applicant, and the draft permit and other administrative records generated by the Department/Division and/or made available to the Department/Division, the information provided on this checklist is accurate and complete, to the best of my knowledge.

Name	<u>Douglas Frasier</u>
Title	<u>VPDES Permit Writer, Senior II</u>
Signature	<u></u>
Date	<u>3 October 2012</u>